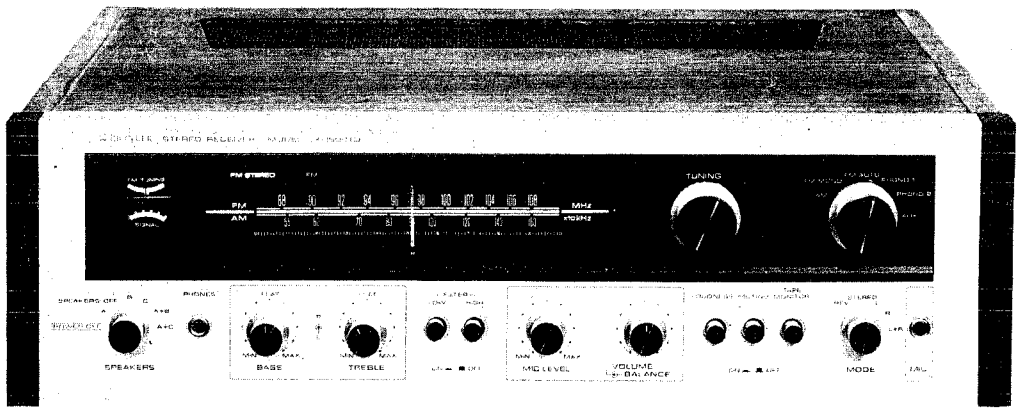
PIONEER ®

REPLACEMENT PARTS PRICE LIST

MODEL SX-1500TD

SOLID STATE AM/FM STEREO RECEIVER

NOTE: Prices listed in this leaflet are only for Pioneer's Agents, Distributors, Dealers and U.S. Exchanges. When ordering, kindly state model number, serial number of the model, parts description, parts number, and quantity for prompt delivery.



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PIONEER

MAIN PARTS & MISCELLANEOUS 主要部品その他

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
	FM Front End	FMフロントエンド	W11-028-C	7.30
	FM IF Unit	FM IF ユニット	W12-025-A	5.90
	FM MPX Unit	FM MPX ユニット	W13-024-A	8.80
	AM Tuner Unit	AMチューナーユニット	W14-008-O	4.05
	Muting Unit	ミューティングユニット	W18-026-O	1.05
	Indicator Unit	インディケーターユニット	W18-012-O	0.80
	Head Amp. Unit	ヘッドアンプユニット	W21-001-O	2.50
	Control Amp. Unit	コントロールアンプユニット	W15-079-O	〃
	Control Unit	コントロールユニット	W15-080-O	1.95
	Push Switch Unit	プッシュスイッチユニット	W15-081-O	1.20
	〃	〃	W15-082-A	0.80
	Main Amp. Unit	メインアンプユニット	W23-002-O	21.40
	Power Supply Unit	パワーサプライユニット	W16-026-O	4.75
	MIC Amp. Unit	MIC アンプユニット	W15-106-O	1.40
	Front Panel Assembly	フロントパネル組立品	M21-334-O	6.90
	Dial Pulley	ダイアルプリー	M42-009-A	0.01
	〃	〃	N24-624-B	〃
	Dial Pulley for Tuning Capacitor	チューニング用ダイアルプリー	M42-027-A	0.15
	Joint	ジョイント	M16-043-O	0.20
	Foot	足	M61-017-O	0.02
	Wooden Case	木製ケース	M52-119-O	6.15
	Dial Glass	目盛盤	A33-084-A	0.85
	Dial Pointer	ダイアル指針	A31-090-A	0.50
	Tuning Meter (Lower)	チューニングメーター (上)	A91-009-B	1.20
	〃 (Upper)	〃 (下)	A91-008-B	〃
	Knob, Selector	セレクター用 ツマミ	A12-163-O	0.40
	〃 Tuning	チューニング用 〃	A12-165-O	0.35
	〃 Bass(L), Treble(L) Volume	高音(左), 低音(左) ボリューム用 〃	A12-168-O	0.25
	〃 Bass (R), Treble(R) Balance	高音(右), 低音(左) バランス用 〃	A13-016-A	〃
	Pilot Lamp 8V, 0.3A	パイロットランプ 8V 0.3A	E22-017-O	0.20
	〃 8V, 0.25A	〃 8V 0.25A	E22-021-O	0.15
	〃 8V, 0.15A	〃 8V 0.15A	E22-002-O	〃
	Fuse 3A	ヒューズ 3A	E21-006-O	0.02
	〃 1.5A	〃 1.5A	E21-012-O	〃
	Socket for AC Outlet	AC アウトレット用ソケット	K82-007-B	0.07
	Connector 5P	コネクター5P	K93-003-B	0.09
	Jack for Speaker	スピーカー用ジャック	K73-003-A	0.15
	Jack for Headphone	ヘッドホーン用ジャック	K72-020-O	0.30
	Jack for Microphone	マイク用ジャック	K72-021-B	0.40
	Pilot Lamp Socket	パイロットランプソケット	K42-003-A	0.09
	Fuse Holder	ヒューズホルダー	K91-005-A	0.06
	Short Pin Plug	ショートピンプラグ	K71-028-O	0.04
	Screw to Fix Wooden Case	木製ケース止メネジ	B11-015-O	0.02
	Screw for GND Terminal	GND ターミナル用ネジ	B11-012-A	0.03
	Plug for Speaker	スピーカー用プラグ	K72-007-B	0.15
	Pin Plug	ピンプラグ	K72-015-O	0.02

CAPACITORS　コンデンサ　NOTED P：μμF

Symbol	Description（部　品　名）					Part No.	FOB TOKYO PSICE in "US $"
C1	Ceramic	セラミック	3P	± 0.5P	50V	CCDSL030D50	0.06
C2	Electrolytic	電　解	220μF		3V	CEMX220MF3V	0.07
C4	〃	〃	2200μF		80V	C52-071-0	1.50
C5	Ceramic	セラミック	0.01μF	+80% −20%	DC 1.4KV	C43-003-0	0.04
C6	〃	〃	〃	〃	〃	〃	〃
C7	〃	〃	〃	〃	〃	〃	〃
C8	Mylar	マイラー	0.0015μF		50V	CQMA152K50	0.06
C9	〃	〃	〃		〃	〃	〃
	Variable Capacitor for AM Tuner Unit	AMチューナユニット用可変コンデンサー				C64-030-0	1.10

RESISTORS　抵　抗　器　IN OHM UNLESS OTHERWISE NOTED K：KΩ, M：MΩ

Symbol	Description（部　品　名）					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	150K			RF¼PS150K-K	0.02
R2	〃	〃	〃			〃	〃
R3	〃	〃	100K			RF¼PS100K-K	〃
R4	〃	〃	〃			〃	〃
R5	〃	〃	1M			RF¼PS1M-K	〃
R6	〃	〃	〃			〃	〃
R7	〃	〃	68K			RF¼PS68K-K	〃
R8	〃	〃	〃			〃	〃
R9	〃	〃	470			RF¼PS470-K	〃
R10	〃	〃	〃			〃	〃
R11	〃	〃	150		3W	R03 150-K	〃
R12	〃	〃	〃		〃	〃	〃
R13	〃	〃	6.8K			RF¼PS6R8K-K	〃
R14	〃	〃	〃			〃	〃
R16	〃	〃	470			RF¼PS470-K	〃
R17	〃	〃	68K			RF¼PS6R8K-K	〃
R18	〃	〃	〃			〃	〃
R19	〃	〃	12K			RF¼PS12K-K	〃
R20	〃	〃	〃			〃	〃
R21	〃	〃	220K			RF¼PS220K-K	〃
R22	〃	〃	〃			〃	〃
R23	〃	〃	100			RF¼PS100-K	〃
	Compound Part for REC. Terminal	REC ターミナル用複合部品				W52-004-0	0.15

COILS AND TRANSFORMERS　コイルとトランス

Symbol	Description（部　品　名）		Part No.	FOB TOKYO PRICE in "US $"
	Power Transformer	パワートランス	T52-176-0	7.35
	AM Ferrite Loopstick Antenna	AMフェライトループスティックアンテナ	T42-024-A	0.75
L1	Heater Choke Coil	ヒータチョークコイル	T24-026-0	0.04
L2	Choke Coil	チョークコイル	T24-030-0	0.08

POTENTIOMETERS 可変抵抗器 NOTED K：KΩ

Symbol	Description	部品名	Part No.	FOB TOKYO PRICE in "US $"
VR1	500K Dual, Volume, Balance	500KΩ 二重ボリュームバランス	C88-009-0	1.80
VR2	30K MIC Level	30KΩ MIC レベル	C81-013-0	0.20

SWITCHES スイッチ

Symbol	Description	部品名	Part No.	FOB TOKYO PRICE in "US $"
S1	Selector Switch	セレクタースイッチ	S13-029-0	1.15
S2	Mode Switch	モードスイッチ	S14-035-0	0.45
S3	Speakers Switch	スピーカスイッチ	S11-029-A	1.65
S4	PRE & MAIN Switch	プリとメインスイッチ	S41-022-A	0.15
	Line Voltage Selector Switch	5電圧切換えスイッチ	S11-018-0	0.45

■FM FRONT END (W11-028)

CAPACITORS コンデンサ NOTED P：μμF

Symbol	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Ceramic	セラミック	0.001μF	+100% −0	25V	CKDYZ102P25	0.06
C4	〃	〃	1000P			C47-005-A	〃
C6	〃	〃	10P	±0.5P	50V	CCDSL100D50	〃
C7	〃	〃	〃	〃	〃	〃	〃
C8	〃	〃	〃	〃	〃	〃	〃
C9	〃	〃	3P	〃	〃	CCDSL050D50	〃
C10	〃	〃	100P			C47-004-0	〃
C11	〃	〃	1P			C43-002-0	〃
C12	〃	〃	1000P			C47-005-A	〃
C13	〃	〃	0.01μF	+100% −0	25V	CKDYZ103P25	〃
C14	〃	〃	1000P			C47-005-A	〃
C15	〃	〃	5P	±0.5P	50V	CCDUJ050D50	〃
C16	〃	〃	12P	〃	〃	CCDSH020D50	〃
C17	〃	〃	7P	〃	〃	CCDYJ070D50	〃
C18	〃	〃	1000P			C47-005-A	〃
C19	〃	〃	〃			〃	〃
C20	〃	〃	〃			〃	〃
CV1	Varible Capacitor for FM Tuner Unit (4 gang)	FMチューナーユニット用可変コンデンサー (4組)				C64-036-B	1.25
CV2							
CV3							
CV4							
CT1							
CT2							
CT3							
CT4	Cylinder Trimmer	シリンダートリマー				C45-004-B	0.09

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ M : MΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film	カーボン抵抗	100K		1/8W	RF1/8PS100K-K	0.02
R_2	〃	〃	1M		〃	RF1/8PS1M-K	〃
R_3	〃	〃	220		〃	RF1/8PS220-K	〃
R_4	〃	〃	3.9K		〃	RF1/8PS3.9K-K	〃
R_5	〃	〃	22K		〃	RF1/8PS22K-K	〃
R_6	〃	〃	1K		〃	RF1/8PS1K-K	〃
R_7	〃	〃	220		〃	RF1/8PS220-K	〃
R_8	〃	〃	8.2K		〃	RF1/8PS8.2K-K	〃
R_9	〃	〃	2.2K		〃	RF1/8PS2.2K-K	〃
R_{10}	〃	〃	1.5K		〃	RF1/8PS1.5K-K	〃
R_{11}	〃	〃	22K		〃	RF1/8PS22K-K	〃
R_{12}	〃	〃	〃		〃	〃	〃
R_{13}	〃	〃	3.3K		〃	RF1/8PS3.3K-K	〃

COILS AND TRANSFORMERS コイルとトランス

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
T_1	FM Antenna Coil	FM アンテナコイル	T22-013-B	0.25
T_2	FM IF Transformer	FM IF トランス	T73-020-O	0.30
L_1	RF Coil	RF コイル	T21-013-B	0.25
L_2	〃	〃	T23-026-D	0.09
L_3	RF Choke Coil	RF チョークコイル	T24-028-O	0.06
L_4	〃	〃	〃	〃
L_5	OSC Coil	OSC コイル	T23-032-B	0.09

TRANSISTORS AND DIODES トランジスタとダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SK22-Y FET	2SK22Y FET		1.10
Q_2	2SC461 Ⓑ Transistor	2SC461 Ⓑ トランジスタ		0.30
Q_3	2SC461 Ⓐ Transistor	2SC461 Ⓐ トランジスタ		〃
D_1	1S85 Variable Capacitance Diode	1S85 ダイオード		0.20

■FM IF UNIT (W12−025)

CAPACITORS コンデンサ NOTED P : μμF

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Ceramic	セラミック	0.01μF	+100% −0	25V	CKDYZ103P25	0.06
C_2	〃	〃	〃	〃	〃	〃	〃
C_3	〃	〃	〃	〃	〃	〃	〃
C_4	〃	〃	〃	〃	〃	〃	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C5	Ceramic	セラミック	10P		50V	CCDSL100K50	0.06
C6	Mylar	マイラー	0.1μF	± 20%	〃	CQMA104M50	〃
C7	Ceramic	セラミック	0.01μF	+100% −0	25V	CKDYZ103P25	〃
C8	〃	〃	〃	〃	〃	〃	〃
C9	〃	〃	〃	〃	〃	〃	〃
C10	〃	〃	〃	〃	〃	〃	〃
C11	Electrolytic	電解	1μF		50V	CEMX1MF50V	0.04
C12	Ceramic	セラミック	3P	± 0.25P	〃	CCDSL030C50	0.06
C13	〃	〃	0.01μF	+100% −0	25V	CKDYZ103P25	〃
C14	〃	〃	100P		50V	CCDSL101K50	〃
C15	〃	〃	0.01μF	+100% −0	25V	CKDYZ103P25	〃
C16	〃	〃	〃	〃	〃	〃	〃
C17	〃	〃	〃	〃	〃	〃	〃
C18	Electrolytic	電解	4.7μF		16V	CEMX4R7MF16V	0.04
C19	Ceramic	セラミック	300P		50V	CCDSL301K50	0.06
C20	Electrolytic	電解	1μF	± 20%	25V	CSYA010M25	0.04
C21	〃	〃	4.7μF		16V	CEMX4R7MF16V	〃
C22	Ceramic	セラミック	10P		50V	CCDSL100K50	0.06

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	47K			RF¼PS47K-K	0.02
R2	〃	〃	470			RF¼PS470-K	〃
R3	〃	〃	56K			RF¼PS56K-K	〃
R4	〃	〃	470			RF¼PS470-K	〃
R5	〃	〃	56K			RF¼PS56 K-K	〃
R6	〃	〃	6.8K			RF¼PS6R8K-K	〃
R7	〃	〃	2.2K			RF¼PS2R2K-K	〃
R8	〃	〃	33K			RF¼PS33K-K	〃
R9	〃	〃	27K			RF¼PS27K-K	〃
R10	〃	〃	100			RF¼PS100-K	〃
R11	〃	〃	220K			RF¼PS220K-K	〃
R12	〃	〃	820			RF¼PS820-K	〃
R13	〃	〃	33			RF¼PS33-K	〃

TRANSFORMER AND COIL トランスとコイル

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
T1	FM IF Transformer	FM IF トランス	T73-022-0	0.30
T2	〃	〃	〃	〃
T3	〃	〃	〃	〃
T4	〃	〃	T74-009-0	〃
L1	RF Choke Coil	RF チョークコイル	T24-029-0	0.08

'C AND DIODES IC とダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q1	μA703E IC	μA 703E IC		1.00
Q2	〃	〃		〃
Q3	〃	〃		〃
Q4	〃	〃		〃
D1	1S188 or FM-1 Diode	1S188 又は FM-1 ダイオード		0.04
D2	〃	〃		〃
D3	〃	〃		〃
D4	〃	〃		〃
D5	〃	〃		〃
D6	〃	〃		〃

COMPOUND PART 複 合 部 品

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
W1	Compound Part for FM Detect	FM 弁別器用複合部品	W53-040-0	0.20

■MPX UNIT (W13-024)

CAPACITORS コ ン デ ン サ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Styrol	スチロール	0.0022μF		50V	C15-007-0	0.06
C2	Electrolytic	電 解	1μF		〃	CEMX1MF50V	0.04
C3	Mylar	マイラー	0.047μF	±20%	〃	CQMA473M50V	0.06
C4	Styrol	スチロール	0.01μF	± 5%		C15-010-0	0.25
C5	〃	〃	〃	〃		〃	〃
C6	Electrolytic	電 解	2.2μF		35V	CEMX2R2MF35V	0.04
C7	Styrol	スチロール	0.0033μF	± 5%		C15-011-0	0.20
C8	Mylar	マイラー	0.0022μF		50V	CQMA222K50V	0.06
C9	〃	〃	〃		〃	〃	〃
C10	Electrolytic	電 解	22μF		25V	CEMX22MF25V	0.07
C11	Styrol	スチロール	0.0015μF		50V	CQSA152K50V	0.06
C12	〃	〃	〃		〃	〃	〃
C13	Electrolytic	電 解	0.47μF		〃	CEMXR47MF50V	0.04
C14	〃	〃	〃		〃	〃	〃

RESISTORS 抵 抗 器

NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	15K			RF¼PS15K-K	0.02
R2	〃	〃	〃			〃	〃
R3	〃	〃	12K			RF¼PS12K-K	〃
R4	〃	〃	2.2K			RF¼PS2R2K-K	〃
R5	〃	〃	4.7K			RF¼PS4R7K-K	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_6	Carbon Film	カーボン抵抗	3.3K			RF¼PS3R3K-K	0.02
R_7	〃	〃	10K			RF¼PS10K-K	〃
R_8	〃	〃	〃			〃	〃
R_9	〃	〃	15K			RF¼PS15K-K	〃
R_{10}	〃	〃	〃			〃	〃

COILS コ イ ル

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
L_1	19kHz Coil	19kHz コイル	T75-018-A	0.30
L_2	〃	〃	〃	〃
L_3	38kHz Coil	38kHz コイル	T75-019-A	〃
LPF_1	38kHz Filter Coil	38kHz フィルターコイル	T75-015-O	0.35
LPF_2	〃	〃	〃	〃

IC

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	MPX-IC	MPX用IC	MC1304L	5.65

POTENTIOMETER 可 変 抵 抗 器

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
VR_1	4.7KΩ, Semi-fixed	4.7KΩ 半固定可変抵抗器	C92-051-O	0.15

■MUTING UNIT (W18-026)

CAPACITORS コ ン デ ン サ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Electrolytic	電 解	4.7μF		16V	CEMX4R7MF16V	0.04
C_2	〃	〃	2.2μF		35V	CEMX2R2MF35V	〃
C_3	Mylar	マイラー	0.0056μF		50V	CQMA562M50	0.06

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film	カーボン抵抗	33K			RF¼PS33K-K	0.02
R_2	〃	〃	〃			〃	〃
R_3	〃	〃	330			RF¼PS330-K	〃
R_4	〃	〃	10K			RF¼PS10K-K	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_5	Carbon Film	カーボン抵抗	1.8K			RF¼PS1R8K-K	0.02
R_6	〃	〃	10K			RF¼PS10K-K	〃
R_7	〃	〃	68K			RF¼PS68K-K	〃
R_8	〃	〃	39K			RF¼PS39K-K	〃
R_9	〃	〃	4.7K			RF¼PS4R7K-K	〃
R_{10}	〃	〃	2.7K			RF¼PS2R7K-K	〃
R_{11}	〃	〃	22K			RF¼PS22K-K	〃

TRANSISTORS トランジスタ

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SC870 Transistor	2SC870 トランジスタ		0.25
Q_2	〃	〃		〃
Q_3	〃	〃		〃

ROTENTIOMETER 可変抵抗器

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
VR_1	2KΩ Semi-fixed, Muting Level Control	2KΩ ミューティングレベルコントロール用半固定可変抵抗器	C92-057-0	0.07

■INDICATOR UNIT (W18-012)

CAPACITORS コンデンサ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Electrolytic	電 解	470μF		16V	CEMX470MF16V	0.15

RESISTORS 抵 抗 器

IN OHM.

Symbol	Description (部 品 名)					Part No.	FOB TOKYO in "US $"
R_1	Carbon Film	カーボン抵抗	470			RF¼PS470-K	0.02
R_2	〃	〃	〃			〃	〃

TRANSISTOR AND DIODE トランジスタとダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SA569-G Transistor	2SA569-G トランジスタ		0.45
D_1	SD-1Z Diode	SD-1Z ダイオード		0.15

■ AM TUNER UNIT (W14－008)

CAPACITORS コンデンサ NOTED P：μμF

Symbo	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Ceramic	セラミック	0.04μF	+100% −0	25V	CKDYZ403P25	0.06
C2	〃	〃	〃	〃	〃	〃	〃
C3	〃	〃	〃	〃	〃	〃	〃
C4	〃	〃	〃	〃	〃	〃	〃
C5	〃	〃	〃	〃	〃	〃	〃
C7	Mylar	マイラー	0.01μF	± 20%	50V	CQMA103M50	〃
C8	Styrol	スチロール	410P		〃	CQSA411K50	〃
C9	Ceramic	セラミック	0.04μF	+100% −0	25V	CKDYZ403P25	〃
C10	〃	〃	〃	〃	〃	〃	〃
C11	〃	〃	〃	〃	〃	〃	〃
C12	〃	〃	〃	〃	〃	〃	〃
C13	〃	〃	〃	〃	〃	〃	〃
C14	Electrolytic	電解	10μF		10v	CEMX10MF10V	0.04
C15	Ceramic	セラミック	0.04μF	+100% −0	25V	CKDYZ403P25	0.06
C16	Electrolytic	電解	10μF		16V	CEMX10MF16V	0.04
C17	Ceramic	セラミック	0.04μF	+100% −0	25V	CKDYZ403P25	0.06
C18	〃	〃	〃	〃	〃	〃	〃
C19	〃	〃	3P		50V	CCDSL030K50	〃
C20	〃	〃	47P		〃	CCDSL470K50	〃
C21	〃	〃	0.04μF	+100% −0	25V	CKDYZ403P25	〃
C22	Electrolytic	電解	220μF		16V	CEMX220MF16V	0.08
C23	Ceramic	セラミック	0.04μF	+100% −0	25V	CKDYZ403P25	0.06
C24	Mylar	マイラー	0.004μF	+ 20%	50V	CQMA402M50	〃
C25	〃	〃	0.002μF	〃	〃	CQMA202M50	〃

RESISTORS 抵抗器 IN OHM UNLESS OTHERWISE NOTED K：KΩ

Symbol	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	4.7K			RF¼PS4.7K-K	0.02
R2	〃	〃	1K			RF¼PS1K-K	〃
R3	〃	〃	〃			〃	〃
R4	〃	〃	〃			〃	〃
R5	〃	〃	4.7K			RF¼PS4.7K-K	〃
R6	〃	〃	22K			RF¼PS22K-K	〃
R7	〃	〃	3.3K			RF¼PS3.3K-K	〃
R8	〃	〃	1K			RF¼PS1K-K	〃
R9	〃	〃	〃			〃	〃
R10	〃	〃	33K			RF¼PS33K-K	〃
R11	〃	〃	82			RF¼PS82-K	〃
R12	〃	〃	470			RF¼PS470-K	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R13	Carbon Film	カーボン抵抗	1K			RF¼PS1K-K	0.02
R14	〃	〃	100			RF¼PS100-K	〃
R15	〃	〃	4.7K			RF¼PS4.7K-K	〃
R16	〃	〃	100K			RF¼PS100K-K	〃
R17	〃	〃	470			RF¼PS470-K	〃
R18	〃	〃	1K			RF¼PS1K-K	〃
R19	〃	〃	4.7K			RF¼PS4.7K-K	〃
R20	〃	〃	27K			RF¼PS27K-K	〃
R21	〃	〃	22K			RF¼PS22K-K	〃
R22	〃	〃	470			RF¼PS470-K	〃
R23	〃	〃	〃			〃	〃
R24	〃	〃	1K			RF¼PS1K-K	〃
R25	〃	〃	100			RF¼PS100-K	〃
R26	〃	〃	3.3K			RF¼PS3.3K-K	〃
R27	〃	〃	6.8K			RF¼PS6.8K-K	〃
R28	〃	〃	220K			RF¼PS220K-K	〃

TRANSFORMERS AND COILS トランスとコイル

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
T1	RF Coil	RF コイル	T41-008-0	0.25
T2	OSC Coil	OSC コイル	T43-007-0	〃
T3	IF Transformer	IF トランス	T71-025-0	0.35
T4	〃	〃	〃	〃
T5	〃	〃	〃	〃

TRANSISTORS AND DIODES トランジスタとダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q1	2SC461-A Transistor	2SC461-A トランジスタ		0.30
Q2	2SC460-A Transistor	2SC460-A トランジスタ		0.25
Q3	〃	〃		〃
Q4	〃	〃		〃
Q5	〃	〃		〃
D1	1N60 Diode	1N60 ダイオード		0.06
D2	〃	〃		〃
D3	〃	〃		〃
D4	〃	〃		〃

■HEAD AMP UNIT (W21－001)

CAPACITORS コンデンサ NOTED P：μμF

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Electrolytic	電 解	10μF		10V	CEMX10MF10V	0.04
C2	〃	〃	〃		〃	〃	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C3	Ceramic	セラミック	100P		50V	CCDSL101K50	0.06
C4	〃	〃	〃		〃	〃	〃
C5	Electrolytic	電 解	100μF		6V	CEMX100MF6V	0.05
C6	〃	〃	〃		〃	〃	〃
C7	Mylar	マイラー	0.01μF		50V	CQMA103K50	0.06
C8	〃	〃	〃		〃	〃	〃
C9	〃	〃	0.003μF		〃	CQMA302K50	〃
C10	〃	〃	〃		〃	〃	〃
C11	Ceramic	セラミック	330P		〃	CCDSL331K50	〃
C12	〃	〃	〃		〃	〃	〃
C13	Electrolytic	電 解	10μF		15V	CEMX10MF15V	0.04
C14	〃	〃	〃		〃	〃	〃
C15	〃	〃	〃		〃	〃	〃
C16	〃	〃	〃		〃	〃	〃
C17	〃	〃	50μF		25V	CEMX50MF25V	〃

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ, M : MΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	3.3K			RF¼PS3.3K-K	0.02
R2	〃	〃	〃			〃	〃
R3	〃	〃	470K			RF¼PS470K-K	〃
R4	〃	〃	〃			〃	〃
R5	〃	〃	1M			RF¼PS1M-K	〃
R6	〃	〃	〃			〃	〃
R7	〃	〃	330K			RF¼PS330K-K	〃
R8	〃	〃	〃			〃	〃
R9	〃	〃	470K			RF¼PS470K-K	〃
R10	〃	〃	〃			〃	〃
R11	〃	〃	330			RF¼PS330-K	〃
R12	〃	〃	〃			〃	〃
R13	〃	〃	56K			RF¼PS56K-K	〃
R14	〃	〃	〃			〃	〃
R15	〃	〃	4.7K			RF¼PS4.7K-K	〃
R16	〃	〃	〃			〃	〃
R17	〃	〃	3.3K			RF¼PS3.3K-K	〃
R18	〃	〃	〃			〃	〃
R19	〃	〃	270K			RF¼PS270K-K	〃
R20	〃	〃	〃			〃	〃
R21	〃	〃	22K			RF¼PS22K-K	〃
R22	〃	〃	〃			〃	〃
R23	〃	〃	2.2K			RF¼PS2.2K-K	〃
R24	〃	〃	〃			〃	〃
R25	〃	〃	10K			RF¼PS10K-K	〃
R26	〃	〃	〃			〃	〃
R27	〃	〃	47K			RF¼PS47K-K	〃
R28	〃	〃	〃			〃	〃

TRANSISTORS　トランジスタ

Symbol	Description	部　品　名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SC458LG C or B Transistor	2SC458LG C 又は B トランジスタ		0.25
Q_2	〃	〃		〃
Q_3	〃	〃		〃
Q_4	〃	〃		〃
Q_5	〃	〃		〃
Q_6	〃	〃		〃

■CONTROL AMP UNIT (W15－079)

CAPACITORS　コンデンサ　NOTED P：$\mu\mu$F

Symbol	Description (部　品　名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Electrolytic	電　解	0.47μF		25V	CSYAR47M25	0.04
C_2	〃	〃	〃		〃	〃	〃
C_3	Ceramic	セラミック	10P		50V	CCDSL100K50	0.06
C_4	〃	〃	〃		〃	〃	〃
C_5	Electrolytic	電　解	0.22μF		25V	CSYAR22M25	0.04
C_6	〃	〃	〃		〃	〃	〃
C_7	〃	〃	100μF		35V	CEMX100MF35V	0.10
C_8	〃	〃	〃		〃	〃	〃
C_9	〃	〃	1μF		16V	CSYA010M16	0.04
C_{10}	〃	〃	〃		〃	〃	〃
C_{11}	Mylar	マイラー	0.0047μF		50V	CQMA472K50	0.06
C_{12}	〃	〃	〃		〃	〃	〃
C_{13}	〃	〃	〃		〃	〃	〃
C_{14}	〃	〃	〃		〃	〃	〃
C_{15}	Electrolytic	電　解	33μF		6.3V	CEMX33MF6.3V	0.04
C_{16}	〃	〃	〃		〃	〃	〃
C_{17}	〃	〃	50μF		25V	CEMX50MF25V	0.07
C_{18}	〃	〃	〃		〃	〃	〃

RESISTORS　抵　抗　器　IN OHM UNLESS OTHERWISE NOTED K：KΩ, LN：LOW NOISE

Symbol	Description (部　品　名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film (LN)	カーボン抵抗(ローノイズ)	1K			RF¼PS1K-KNL	0.02
R_2	〃 (〃)	〃 (〃)	〃			〃	〃
R_3	〃 (〃)	〃 (〃)	330K			RF¼PS330K-KNL	〃
R_4	〃 (〃)	〃 (〃)	〃			〃	〃
R_5	〃 (〃)	〃 (〃)	33K			RF¼PS33K-KNL	〃
R_6	〃 (〃)	〃 (〃)	〃			〃	〃
R_7	〃 (〃)	〃 (〃)	8.2K			RF¼PS8R2K-KNL	〃
R_8	〃 (〃)	〃 (〃)	〃			〃	〃
R_9	〃 (〃)	〃 (〃)	1K			RF¼PS1K-KNL	〃
R_{10}	〃 (〃)	〃 (〃)	〃			〃	〃
R_{11}	〃 (〃)	〃 (〃)	〃			〃	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R12	Carbon Film (LN)	カーボン抵抗(ローノイズ)	1K			RF¼PS1K-KNL	0.02
R13	〃	〃	2.2K			RF¼PS2R2K-K	〃
R14	〃	〃	〃			〃	〃
R15	〃	〃	6.8K			RF¼PS6R8K-K	〃
R16	〃	〃	〃			〃	〃
R17	〃	〃	〃			〃	〃
R18	〃	〃	〃			〃	〃
R19	〃 (LN)	〃 (ローノイズ)	1K			RF¼PS1K-KNL	〃
R20	〃 (〃)	〃 (〃)	〃			〃	〃
R21	〃	〃	1.8K			RF¼PS1R8K-K	〃
R22	〃	〃	〃			〃	〃
R23	〃 (LN)	〃 (ローノイズ)	330K			RF¼PS330K-KNL	〃
R24	〃 (〃)	〃 (〃)	〃			〃	〃
R25	〃	〃	47K			RF¼PS47K-K	〃
R26	〃	〃	〃			〃	〃
R27	〃 (LN)	〃 (ローノイズ)	8.2K			RF¼PS8R2K-KNL	〃
R28	〃 (〃)	〃 (〃)	〃			〃	〃
R29	〃	〃	1.5K			RF¼PS1R5K-K	〃
R30	〃	〃	〃			〃	〃
R31	〃	〃	330			RF¼PS330-K	〃
R31	〃	〃	〃			〃	〃

TRANSISTORS トランジスタ

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q1	2SC871-BL Transistor	2SC871-BL トランジスタ		0.25
Q2	〃	〃		〃
Q3	2SC870-GR Transistor	2SC870-GR トランジスタ		〃
Q4	〃	〃		〃

■CONTROL UNIT (W15−080)

CAPACITORS コンデンサ NOTED P : μμF

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Electrolytic	電 解	3.3μF		25V	CEMX3R3MF25V	0.04
C2	〃	〃	〃		〃	〃	〃
C3	Mylar	マイラー	0.0022μF		50V	CQMA222K50	0.06
C4	〃	〃	〃		〃	〃	〃
C5	〃	〃	0.01μF		〃	CQMA103K50	〃
C6	〃	〃	〃		〃	〃	〃
C7	〃	〃	0.033μF		〃	CQMA333K50	〃
C8	〃	〃	〃		〃	〃	〃
C9	〃	〃	0.1μF		〃	CQMA104K50	〃
C10	〃	〃	〃		〃	〃	〃

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in US $"
R1	Carbon Film	カーボン抵抗	10K			RF¼PS10K-K	0.02
R2	〃	〃	〃			〃	〃
R3	〃	〃	2.2K			RF¼PS2R2K-K	〃
R4	〃	〃	〃			〃	〃
R5	〃	〃	4.7K			RF¼PS4R7K-K	〃
R6	〃	〃	〃			〃	〃
R7	〃	〃	470			RF¼PS470-K	〃
R8	〃	〃	〃			〃	〃

POTENTIOMETERS 可 変 抵 抗 器

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
VR1	100KΩ, Dual (BASS Control)	100KΩ二重 (低音コントロール)	C87-024-0	0.65
VR2	100KΩ, Dual (TREBLE Control)	100KΩ二重 (高音コントロール)	〃	〃

■PUSH SWITCH UNIT (A) (W15-081)

CAPACITORS コ ン デ ン サ NOTED P : μμF

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Ceramic	セラミック	82P		50V	CCDSL820K50	0.06
C2	〃	〃	〃		〃	〃	〃
C3	Mylar	マ イ ラ ー	0.01μF		〃	CQMA103K50	〃
C4	〃	〃	〃		〃	〃	〃

RESISTORS 抵 抗 器 NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	68K			RF¼PS68-K-K	0.02
R2	〃	〃	〃			〃	〃
R3	〃	〃	27K			RF¼PS27K-K	〃
R4	〃	〃	〃			〃	〃
R5	〃	〃	3.3K			RF¼PS3R3K-K	〃
R6	〃	〃	〃			〃	〃

SWITCHES ス イ ッ チ

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
S1	LOUDNESS Switch	ラウドネススイッチ	S31-023-0	0.25
S2	FM MUTING Switch	FMミューティングスイッチ	〃	〃
S3	TAPE MONITOR Switch	テープモニタースイッチ	〃	〃
	Knob for Push Switch	プッシュスイッチ用ツマミ	A19-079-0	0.03

■PUSH SWITCH UNIT (B) (W15－082)

CAPACITORS コンデンサ

Symbol	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Mylar	マイラー	0.015μF		50V	CQMA153K50	0.06
C2	〃	〃	〃		〃	〃	〃

RESISTORS 抵抗器 NOTED K：KΩ

Symbol	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
R1	Carbon Film	カーボン抵抗	150K			RF¼PS150K-K	0.02
R2	〃	〃	〃			〃	〃

SWITCHES スイッチ

Symbol	Description	部品名	Part No.	FOB TOKYO PRICE in "US $"
S1	LOW CUT FILTER Switch	ローカットフイルタスイッチ	S31-023-0	0.25
S2	HIGH CUT FILTER Switch	ハイカットフイルタスイッチ	〃	〃
	Knob for Push Switch	プッシュスイッチ用ツマミ	A19-079-0	0.03

■MAIN AMP UNIT (W23－002)

CAPACITORS コンデンサ NOTED P：μμF

Symbol	Description (部品名)					Part No.	FOB TOKYO PRICE in "US $"
C1	Electrolytic	電解	10μF		6.3V	CEMX10MF6.3V	0.04
C2	〃	〃	〃		〃	〃	〃
C3	〃	〃	100μF		50V	CEMX100MF50V	0.15
C4	〃	〃	〃		〃	〃	〃
C5	〃	〃	3.3μF		25V	CEMX3R3MF25V	0.04
C6	〃	〃	〃		〃	〃	〃
C7	〃	〃	100μF		50V	CEMX100MF50V	0.15
C8	〃	〃	〃		〃	〃	〃
C9	Ceramic	セラミック	100P		〃	CCDSL101K50V	0.06
C10	〃	〃	〃		〃	〃	〃
C11	Electrolytic	電解	100μF		3V	CEMX100MF3V	0.05
C12	〃	〃	〃		〃	〃	〃
C13	〃	〃	1000μF		50V	C52-072-0	0.65
C14	〃	〃	〃		〃	〃	〃
C15	Ceramic	セラミック	47P		〃	CCDSL470K50V	0.06
C16	〃	〃	〃		〃	〃	〃
C17	Mylar	マイラー	0.022μF		〃	CQMA223M50V	〃
C18	〃	〃	〃		〃	〃	〃
C19	Ceramic	セラミック	100P		〃	CCDSL101K50V	〃
C20	〃	〃	〃		〃	〃	〃

RESISTORS 抵 抗 器 NOTED : K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film	カーボン抵抗	2.2K			RF¼PS2R2K-K	0.02
R_2	〃	〃	〃			〃	〃
R_3	〃	〃	680K			RF¼PS680K-K	〃
R_4	〃	〃	〃			〃	〃
R_5	〃	〃	120K			RF¼PS120K-K	〃
R_6	〃	〃	〃			〃	〃
R_7	〃	〃	33K			RF¼PS33K-K	〃
R_8	〃	〃	〃			〃	〃
R_9	〃	〃	3.3K			RF¼PS3R3K-K	〃
R_{10}	〃	〃	〃			〃	〃
R_{11}	〃	〃	150			RF¼PS150-K	〃
R_{12}	〃	〃	〃			〃	〃
R_{13}	〃	〃	2.7K			RF¼PS2R7K-K	〃
R_{14}	〃	〃	〃			〃	〃
R_{15}	〃	〃	82K			RF¼PS82K-K	〃
R_{16}	〃	〃	〃			〃	〃
R_{17}	〃	〃	3.3K			RF¼PS3R3K-K	〃
R_{18}	〃	〃	〃			〃	〃
R_{19}	〃	〃	8.2K			RF¼PS8R2K-K	〃
R_{20}	〃	〃	〃			〃	〃
R_{21}	〃	〃	68			RF¼PS68-K	〃
R_{22}	〃	〃	〃			〃	〃
R_{23}	〃	〃	10			RF¼PS10-K	〃
R_{24}	〃	〃	〃			〃	〃
R_{25}	〃	〃	150			RF¼PS150-K	〃
R_{26}	〃	〃	〃			〃	〃
R_{27}	〃	〃	10			RF¼PS10-K	〃
R_{28}	〃	〃	〃			〃	〃
R_{29}	〃	〃	150			RF¼PS150-K	〃
R_{30}	〃	〃	〃			〃	
R_{31}	Wire Wound	巻 線 抵 抗	0.5		5W	RC5B0R5-K	0.08
R_{32}	〃	〃	〃		〃	〃	〃
R_{33}	〃	〃	〃		〃	〃	〃
R_{34}	〃	〃	〃		〃	〃	〃
R_{35}	Carbon Film	カーボン抵抗	15K			RF¼PS15K-K	0.02
R_{36}	〃	〃	〃			〃	〃
R_{37}	〃	〃	12K			RF¼PS12K-K	〃
R_{38}	〃	〃	〃			〃	〃
R_{39}	〃	〃	22		½W	RF½PS22K-K	〃
R_{40}	〃	〃	〃		〃	〃	〃

TRANSISTORS AND DIODES トランジスタとダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SC458LG Transistor	2SC458LG トランジスタ		0.25
Q_2	〃	〃		〃
Q_3	2SC497 Transistor	2SC497 トランジスタ		0.80

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_4	2SC497 Transistor	2SC497 トランジスタ		0.80
Q_5	〃	〃		〃
Q_6	〃	〃		〃
Q_7	2SA497 Transistor	2SA497 トランジスタ		1.00
Q_8	〃	〃		〃
Q_9	2SD218 Transistor	2SD218 トランジスタ		2.65
Q_{10}	〃	〃		〃
Q_{11}	〃	〃		〃
Q_{12}	〃	〃		〃
D_1	STV-3 Diode	STV-3 ダイオード		0.45
D_2	〃	〃		〃

POTENTIOMETERS 可 変 抵 抗 器

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
VR_1	100KΩ Semifixed	100KΩ 半固定可変抵抗器	C92-042-0	0.15
VR_2	〃	〃	〃	〃
VR_3	50Ω Semifixed	50Ω 半固定可変抵抗器	C92-043-0	〃
VR_4	〃	〃	〃	〃

■POWER SUPPLY UNIT (W16－026)

CAPACITORS コ ン デ ン サ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Electrolytic	電 解	100μF		50V	CEMX100MF50V	0.15
C_2	〃	〃	〃		35V	CEMX100MF35V	0.10
C_3	〃	〃	220μF		25V	CEMX220MF25V	0.15
C_4	〃	〃	〃		〃	〃	〃
C_5	〃	〃	〃		15V	CEMX220MF15V	0.08
C_6	〃	〃	〃		25V	CEMX220MF25V	0.15
C_7	Mylar	マイラー	0.001μF		50V	CQMA102K50	0.06
C_8-C_{13}	Ceramic	セラミック	0.01μF	+100% −0	500V	CKDYZ103P500	〃

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K : KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film	カーボン抵抗	680		2W	R02 680-K	0.02
R_2	〃	〃	22K			RF¼PS22K-K	〃
R_3	〃	〃	2.2			RF¼PS2R2K-K	〃
R_4	〃	〃	33K			RF¼PS33K-K	〃
R_5	〃	〃	18K			RF¼PS18K-K	〃
R_6	〃	〃	3.3K			RF¼PS3R3K-K	〃

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_7	Carbon Film	カーボン抵抗	39			RF¼PS39-K	0.02
R_8	〃	〃	5.6			RF¼PS5R6-K	〃
R_9	〃	〃	1K			RF¼PS1K-K	〃
R_{10}	〃	〃	33			RF¼PS33-K	〃

TRANSISTORS AND DIODES トランジスタとダイオード

Symbol	Description	部 品 名	Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SC485 Transistor	2SC485 トランジスタ		0.95
Q_2	2SC905 Transistor	2SC905 トランジスタ		0.45
Q_3	2SC485 Transistor	2SC485 トランジスタ		0.95
D_1	SB-3P Diode	SB-3P ダイオード		0.30
D_2-D_5	SR1DM-8 Diode	SR1DM-8 ダイオード		0.20
D_6	1S338Q Zener Diode	1S338Q ゼナーダイオード		0.50

CAPACITORS コンデンサ NOTED P：μμF

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
C_1	Mylar	マイラー	0.1μF		50V	CQMA104K50	0.06
C_2	Ceramic	セラミック	47P		〃	CCDSL470K50	〃
C_3	Mylar	マイラー	0.015μF		〃	CQMA104K50	〃
C_4	〃	〃	0.022μF		〃	CQMA223K50	〃
C_5	Ceramic	セラミック	47P		〃	CCDSL470K50	〃
C_6	〃	〃	220P		〃	CCDSL221K50	〃
C_7	Electrolytic	電 解	47μF		10V	CEMX47MF10V	0.04
C_8	〃	〃	10μF		25V	CEMX10MF25V	〃
C_9	〃	〃	〃		〃	〃	〃
C_{10}	〃	〃	100μF		〃	CEMX100MF25V	0.07

RESISTORS 抵 抗 器 IN OHM UNLESS OTHERWISE NOTED K：KΩ

Symbol	Description (部 品 名)					Part No.	FOB TOKYO PRICE in "US $"
R_1	Carbon Film	カーボン抵抗	3.3K			RF¼PS3R3K-K	0.02
R_2	〃	〃	820K			RF¼PS820K-K	〃
R_3	〃	〃	33K			RF¼PS33K-K	〃
R_4	〃	〃	47K			RF¼PS47K-K	〃
R_5	〃	〃	1K			RF¼PS1K-K	〃
R_6	〃	〃	3.3K			RF¼PS3R3K-K	〃
R_7	〃	〃	180K			RF¼PS180K-K	〃
R_8	〃	〃	〃			〃	〃
R_9	〃	〃	390			RF¼PS390-K	〃
R_{10}	〃	〃	10K			RF¼PS10K-K	〃
R_{11}	〃	〃	560K			RF¼PS560K-K	〃
R_{12}	〃	〃	390			RF¼PS390-K	〃

Symbol	Description （部　品　名）					Part No.	FOB TOKYO PRICE in "US $"
R_{13}	Carbon Film	カーボン抵抗	68K			RF¼PS68K-K	0.02
R_{14}	〃	〃	2.2K			RF¼PS2R2K-K	〃

TRANSISTORS　トランジスタ

Symbol	Description （部　品　名）		Part No.	FOB TOKYO PRICE in "US $"
Q_1	2SC871 Transistor	2SC871　トランジスタ		0.25
Q_2	〃	〃		〃
Q_3	〃	〃		〃

PACKING　包　　装

Symbol	Description	部　品　名	Part No.	FOB TOKYO PRICE in "US $"
	Carton Box	カートンボックス	H15-076-B	0.80
	Styrol Tector	スチロテクター	H11-062-O	0.50
	Cloth Bag	布　　袋	H14-021-O	0.25

69.12.1000 S

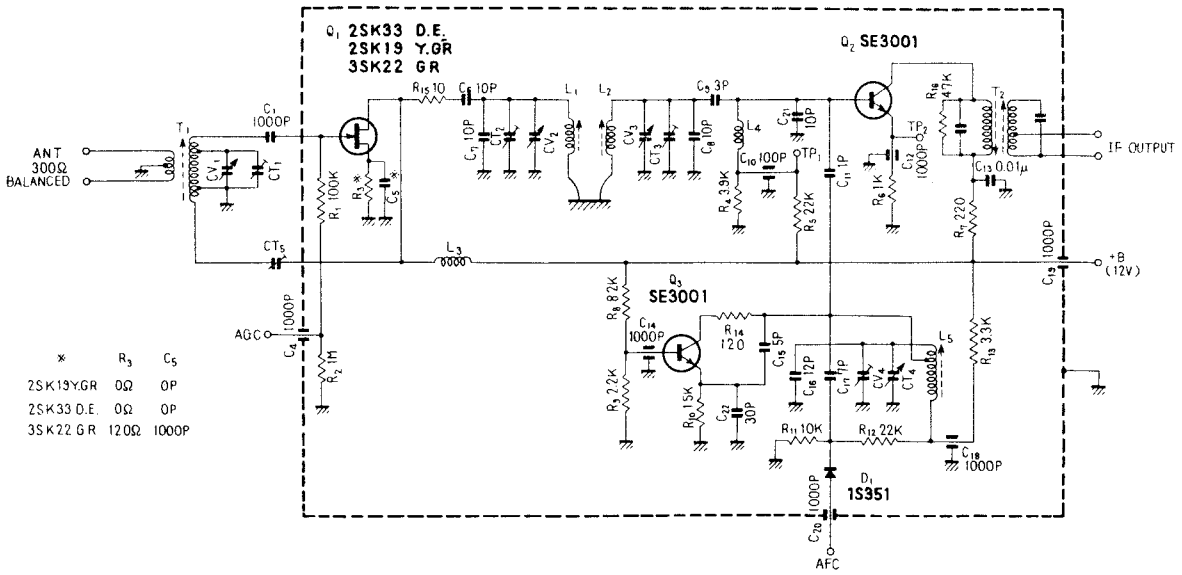
PIONEER

Schaltbilder Receiver

PIONEER

FM FRONT END

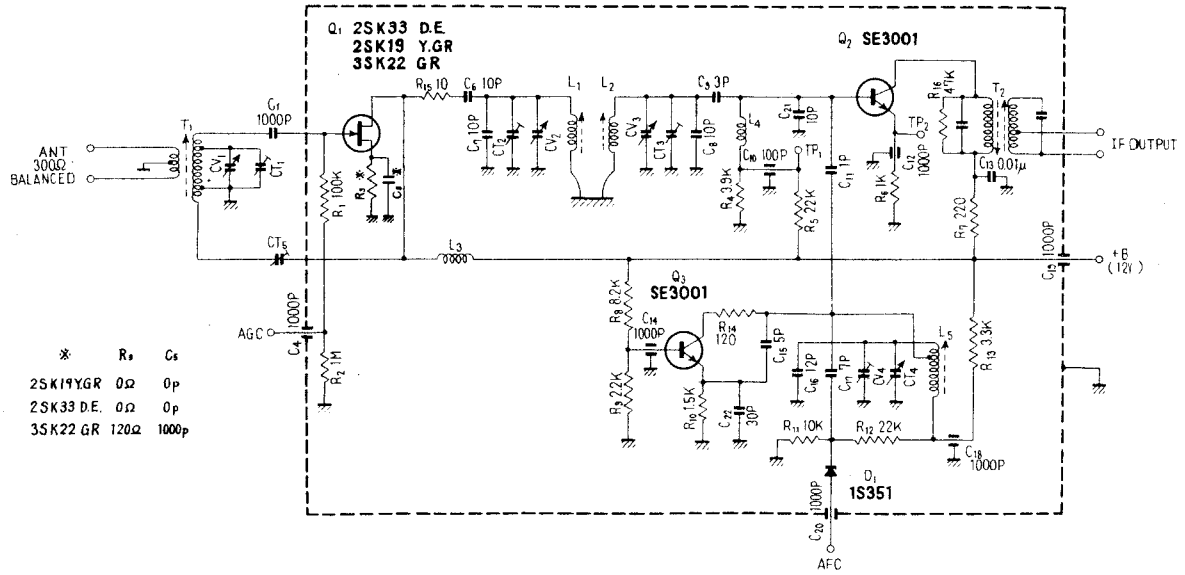
FM FRONT END
AWB-001



*	R3	C5
2SK19Y.GR	0Ω	0P
2SK33 D.E.	0Ω	0P
3SK22 GR	120Ω	1000P

FM FRONT END for FW KLW model

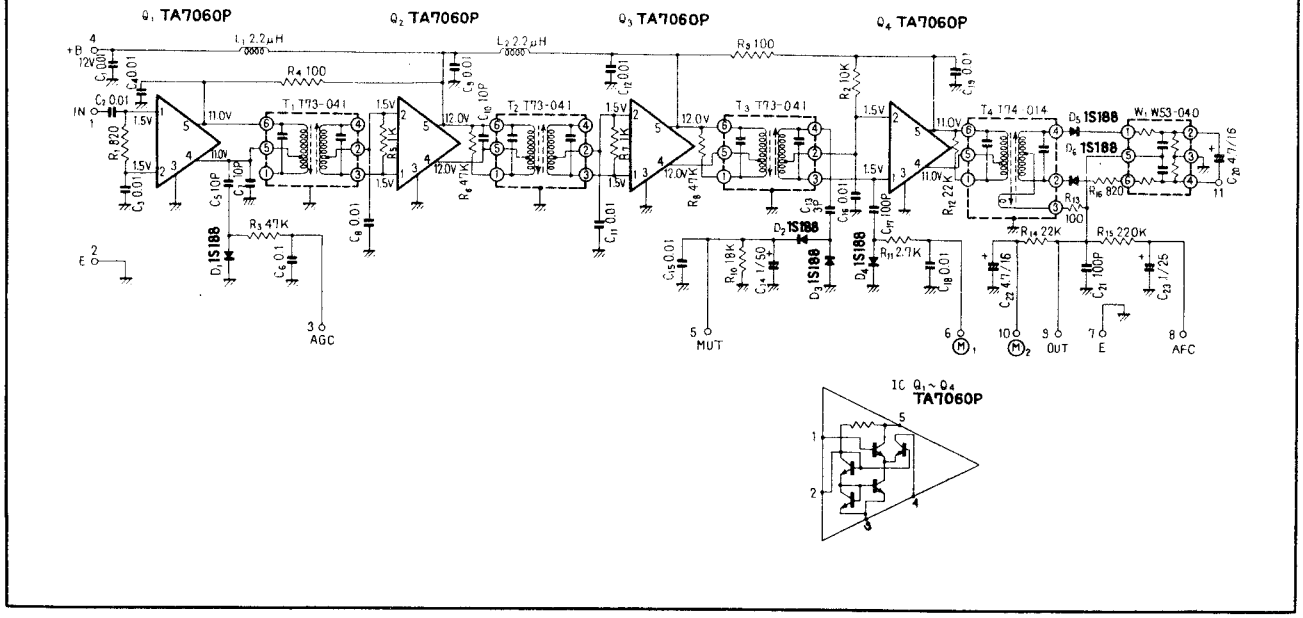
FM FRONT END
W11-028



*	R3	C5
2SK19Y.GR	0Ω	0P
2SK33 D.E.	0Ω	0P
3SK22 GR	120Ω	1000P

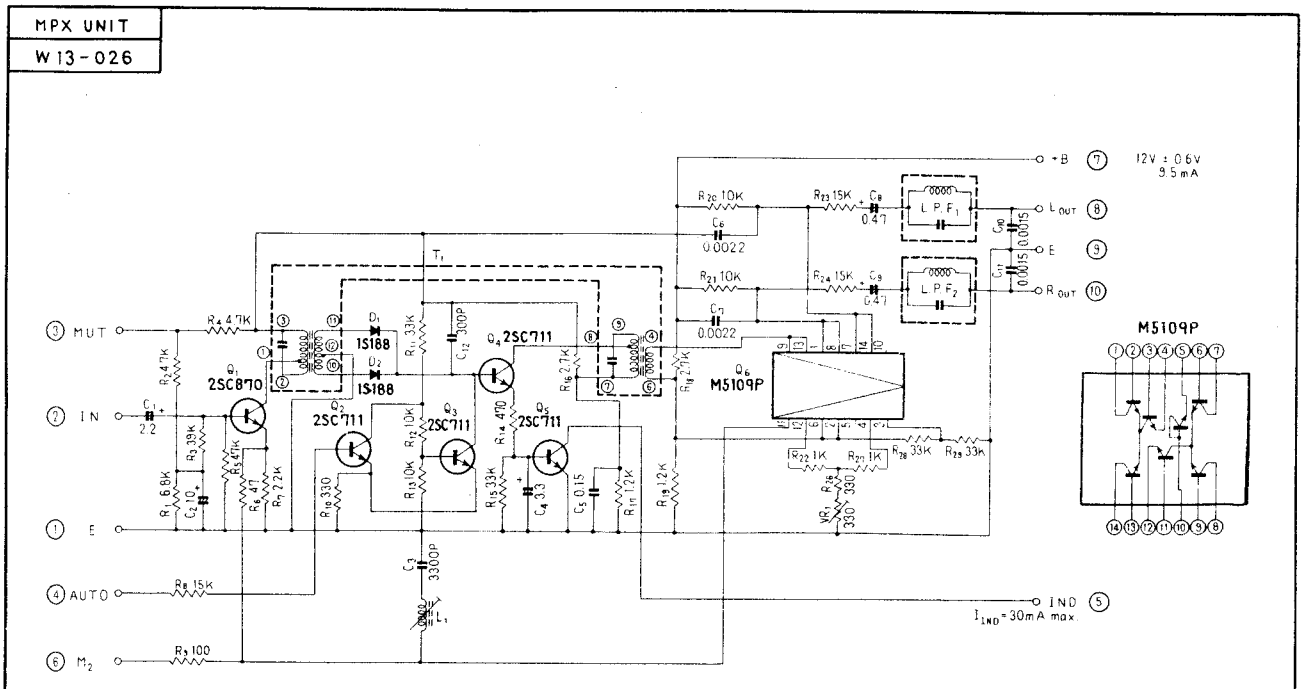
FM IF UNIT

FM IF UNIT
W12-032



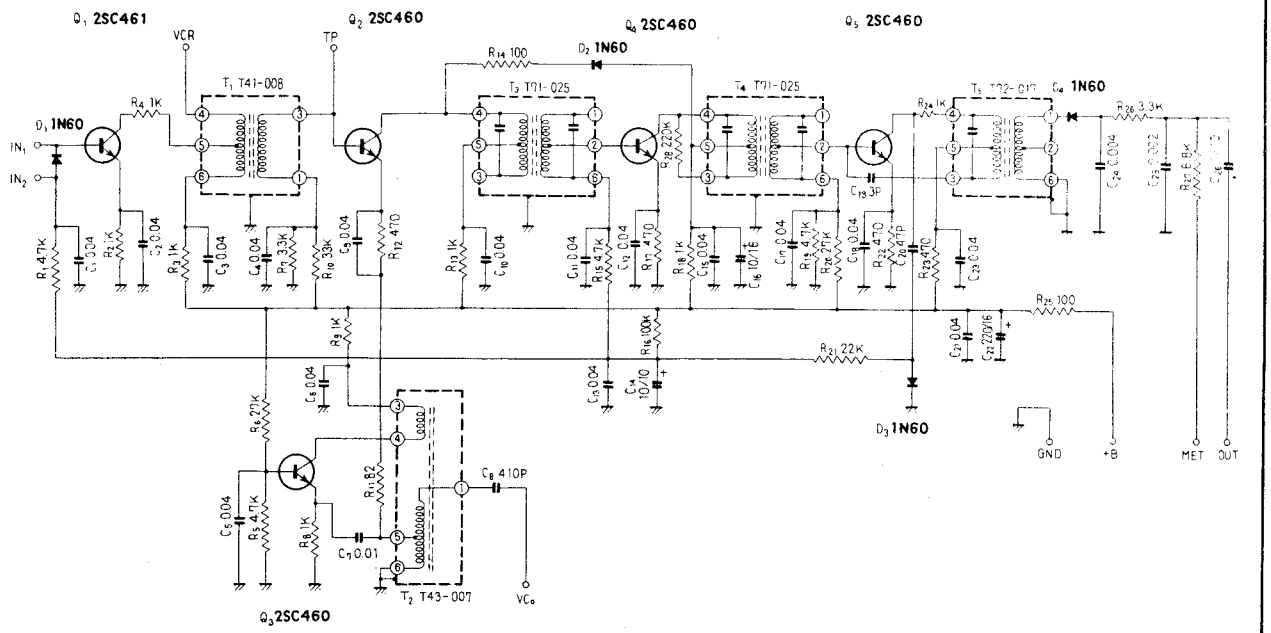
MPX UNIT

MPX UNIT
W13-026



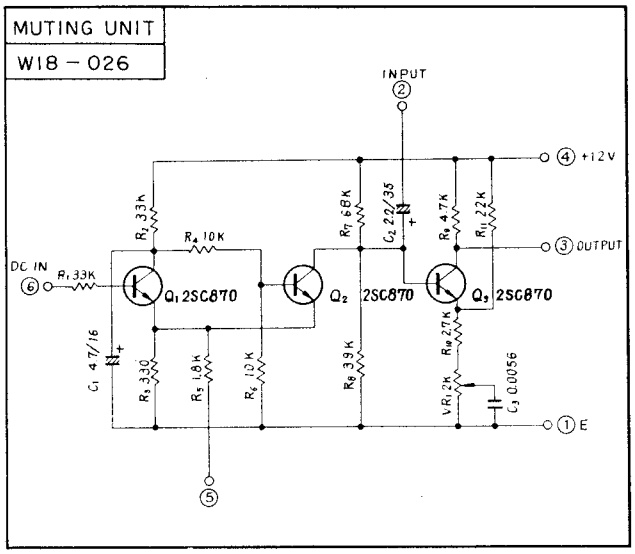
AM TUNER UNIT

AM TUNER UNIT
W14 - 008



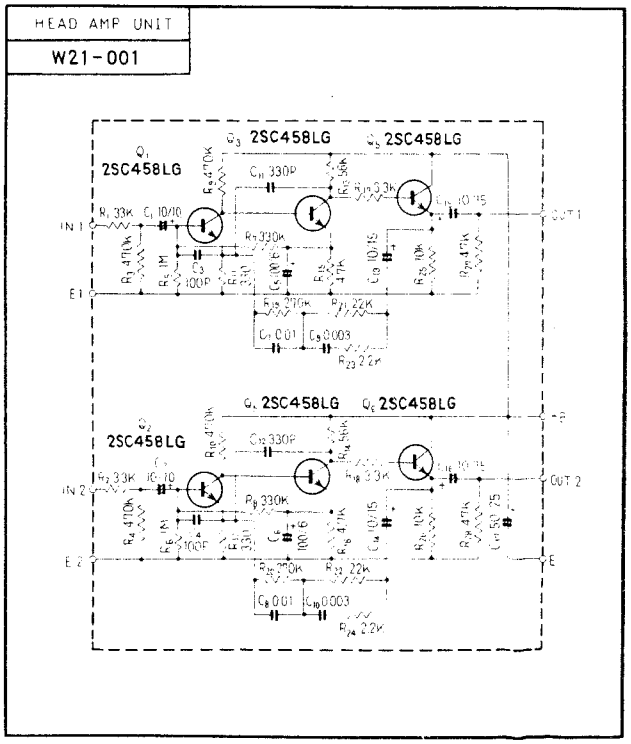
MUTING UNIT

MUTING UNIT
W18 - 026

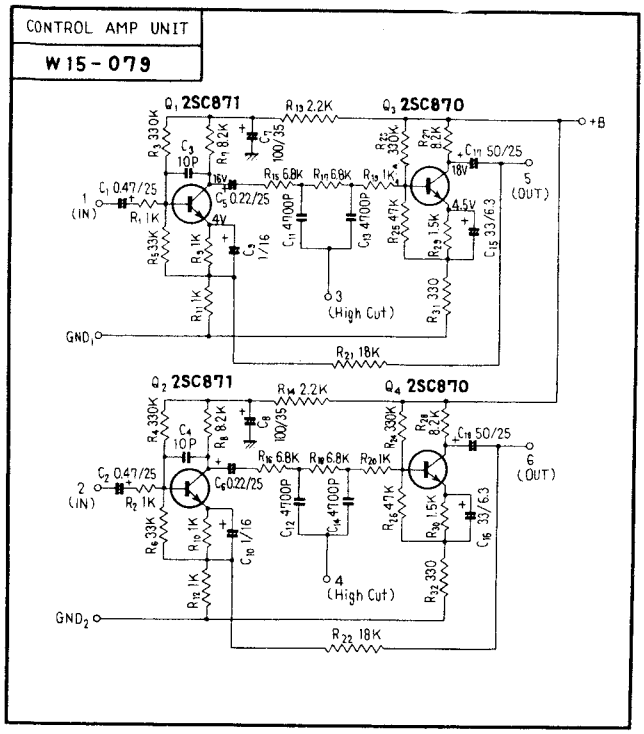


HEAD AMP UNIT

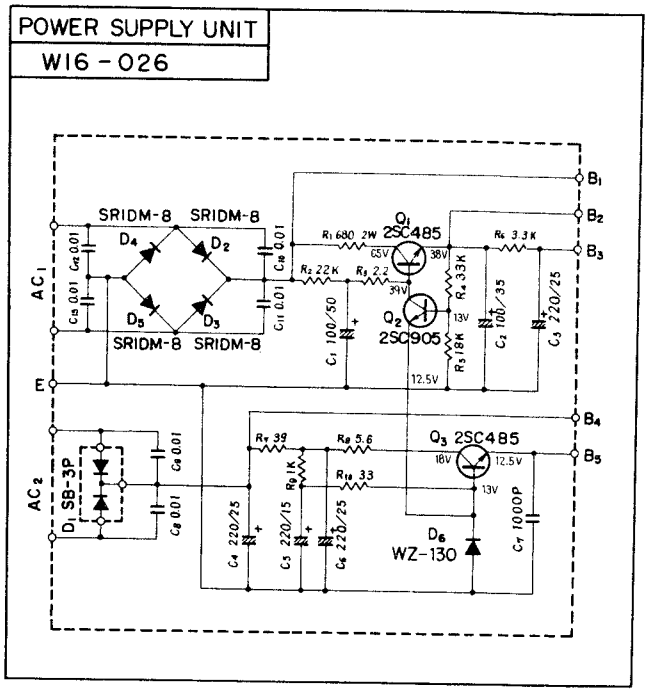
HEAD AMP UNIT
W21 - 001



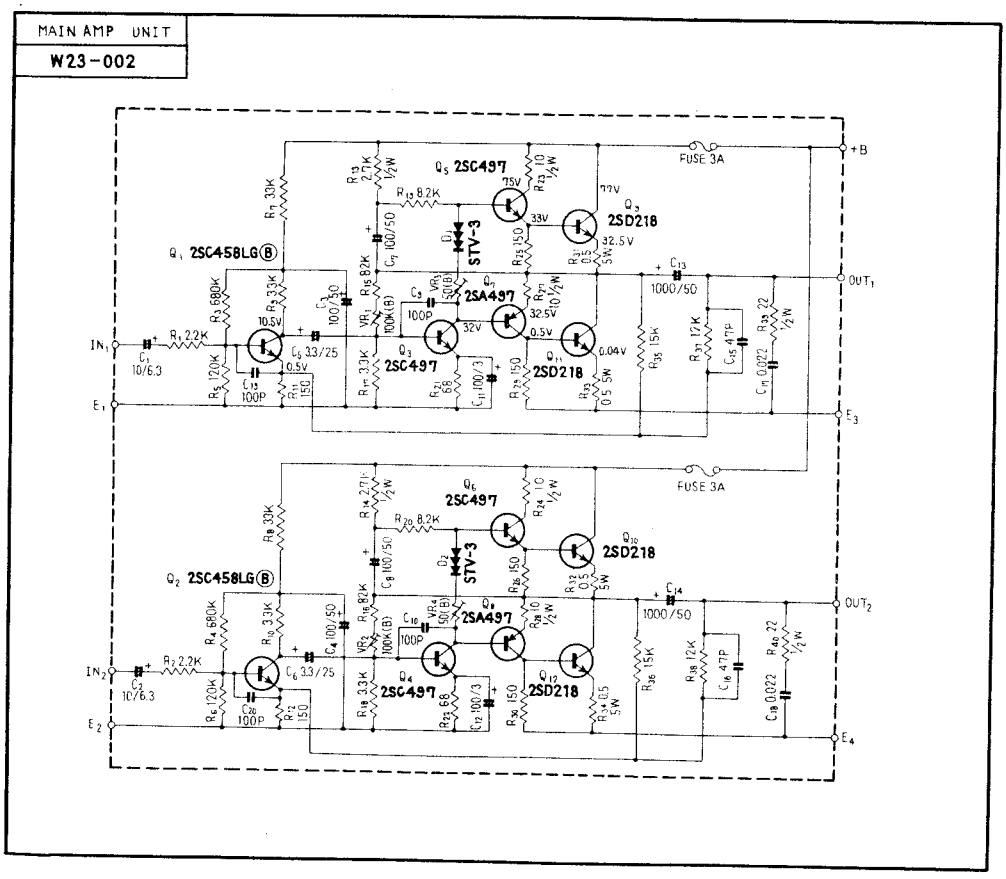
CONTROL AMP UNIT



POWER SUPPLY UNIT

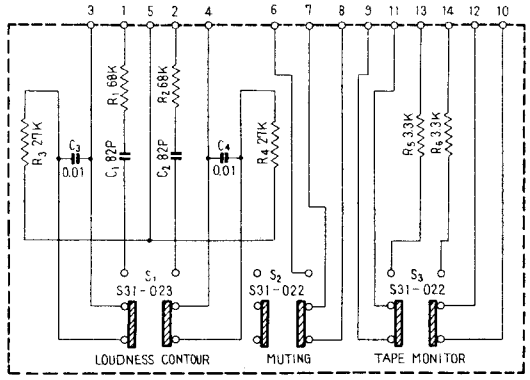


MAIN AMP UNIT



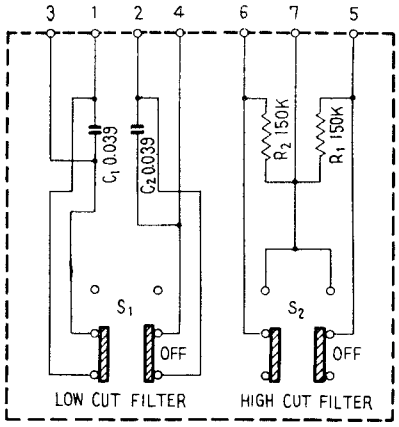
PUSH SWITCH UNIT

PUSH SWITCH UNIT
W15-081



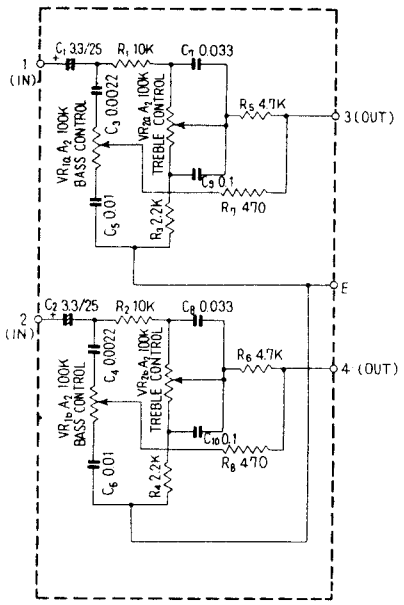
PUSH SWITCH UNIT

PUSH SWITCH UNIT
W15-082



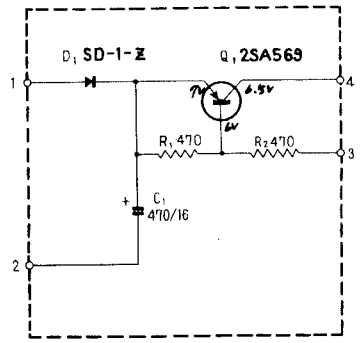
CONTROL UNIT

CONTROL UNIT
W15-080



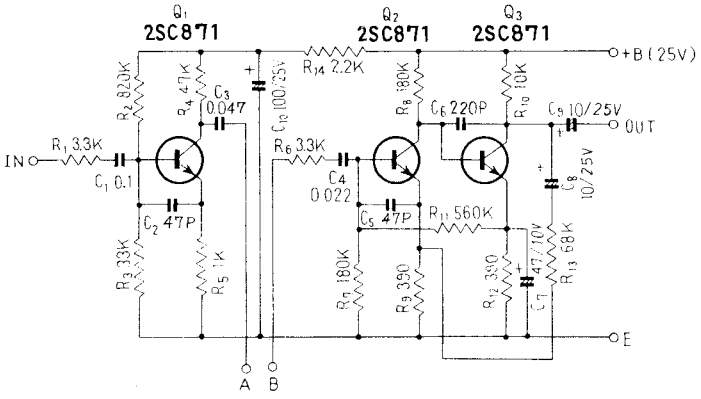
INDICATOR UNIT

INDICATOR UNIT
W18 - 012



MIC AMP UNIT

MIC AMP UNIT
W15-106



SX-1500TD KLW

INSTALLATION, OPERATION AND SERVICE MANUAL

including PARTS LIST, CIRCUIT DIAGRAMS, TROUBLE SHOOTING AND MOUNTING TEMPLATE.

PIONEER®

PIONEER

FEATURES

- **HIGH-PERFORMANCE FM TUNER**
  An FET (field-effect transistor) is used in the radio-frequency amplifier to attain a high sensitivity and selectivity. Further, four ICs (integrated circuits) are used for the intermediate-frequency amplifier to eliminate interference and noise.

- **BUILT-IN EXCELLENT FM MPX CIRCUIT**
  This switching circuit having excellent separation and frequency response is built-in for reproduction of reality music.

- **BUILT-IN HIGHLY-SENSITIVE FERRITE ANTENNA FOR AM RECEPTION**
  The ferrite antenna provides high-sensitivity reception of AM programs.

- **HIGH-PERFORMANCE DESIGN FOR VERSATILITY**
  In addition to the high power output attained by strictly selected transistors, the versatile stereo receiver permits connection of three loudspeaker systems and two turntables. It is also provided with terminals for tape recording output, center channel output, preamplifier output and power amplifier input.

- **MICROPHONE IS USABLE**
  A microphone can be used by mixing during record play or other performance since an independent microphone amplifier and level control are incorporated.

- **A VARIETY OF ACCESSORIES**
  Accessories include the program lamps that indicate the program being played, the tuning meters vertically arranged for facilitating selection of an FM broadcast program, the loudspeaker selector switch, tape monitor switch, etc., all for enjoyable use of the Model SX-1500TD.

- **ELEGANTLY DESIGNED FRONT PANEL**
  Newly designed knobs are uniquely arranged on the silver tone panel.

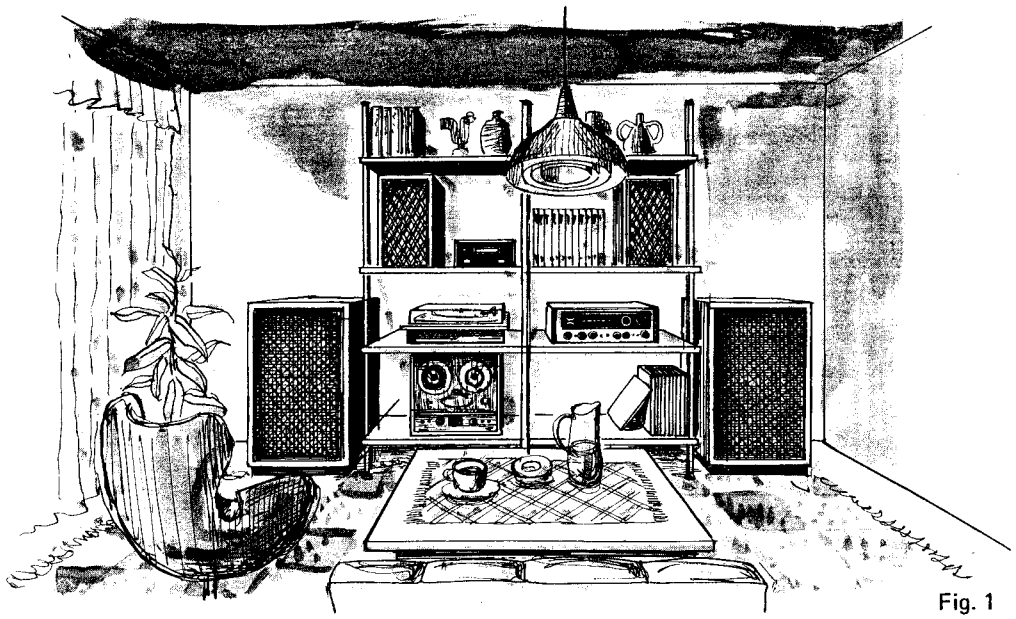
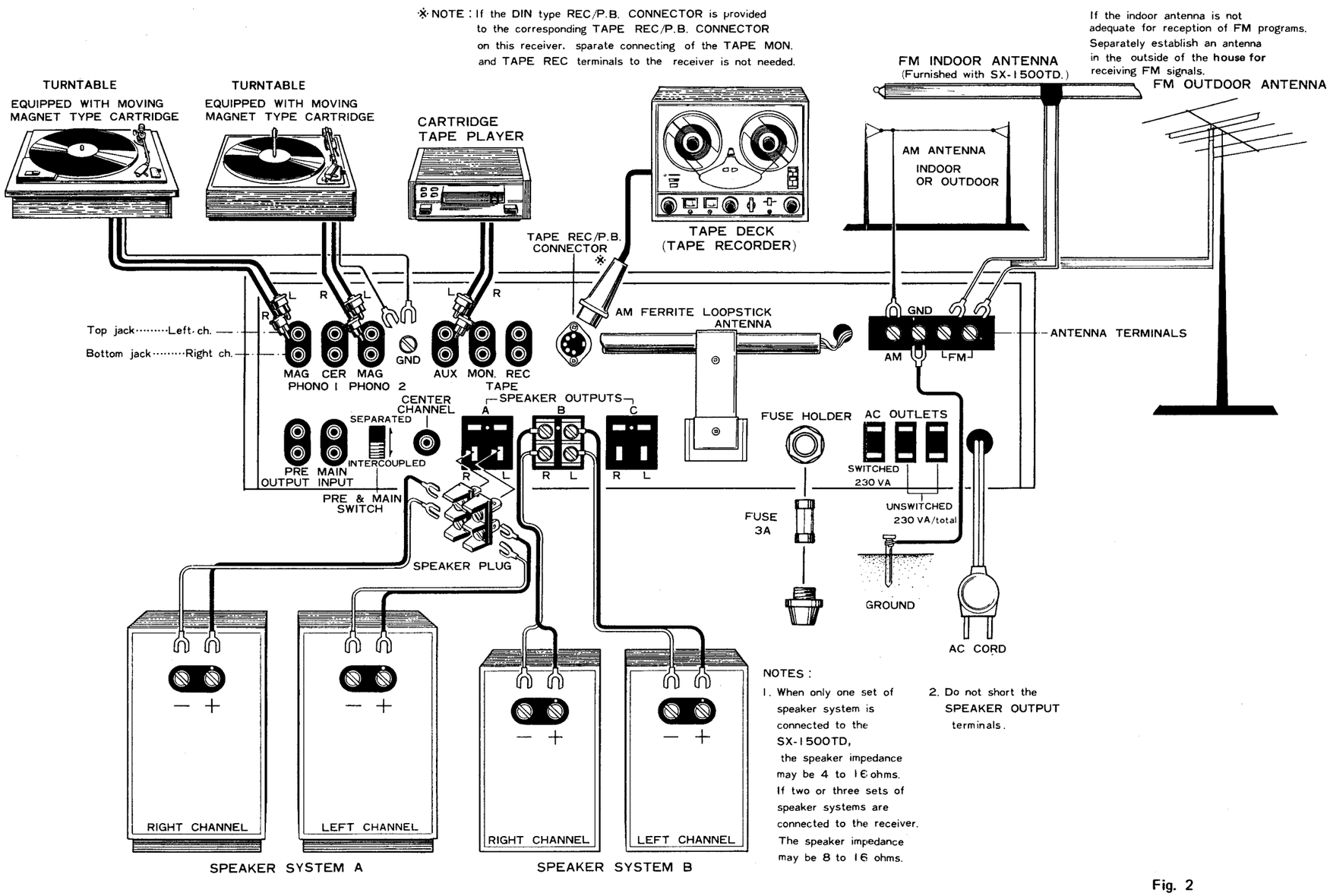


Fig. 1

REAR CONNECTIONS


※ NOTE : If the DIN type REC/P.B. CONNECTOR is provided to the corresponding TAPE REC/P.B. CONNECTOR on this receiver. sparate connecting of the TAPE MON. and TAPE REC terminals to the receiver is not needed.
If the indoor antenna is not adequate for reception of FM programs. Separately establish an antenna in the outside of the house for receiving FM signals.
TURNTABLE EQUIPPED WITH MOVING MAGNET TYPE CARTRIDGE
TURNTABLE EQUIPPED WITH MOVING MAGNET TYPE CARTRIDGE
CARTRIDGE TAPE PLAYER
TAPE DECK (TAPE RECORDER)
TAPE REC/P.B. CONNECTOR ※
FM INDOOR ANTENNA (Furnished with SX-1500TD.)
FM OUTDOOR ANTENNA
AM ANTENNA INDOOR OR OUTDOOR
AM FERRITE LOOPSTICK ANTENNA
GND
ANTENNA TERMINALS
AM
FM
Top jack·····Left ch.
Bottom jack·····Right ch.
L R L R L R
MAG CER MAG PHONO 1 PHONO 2
GND
AUX MON. REC TAPE
CENTER CHANNEL SEPARATED
SPEAKER OUTPUTS
A B C
PRE OUTPUT MAIN INPUT
INTERCOUPLED
PRE & MAIN SWITCH
R L R L R L
FUSE HOLDER
AC OUTLETS
SWITCHED 230 VA
UNSWITCHED 230 VA/total
FUSE 3A
GROUND
AC CORD
SPEAKER PLUG
RIGHT CHANNEL
LEFT CHANNEL
RIGHT CHANNEL
LEFT CHANNEL
SPEAKER SYSTEM A
SPEAKER SYSTEM B

NOTES :

1. When only one set of speaker system is connected to the SX-1500TD, the speaker impedance may be 4 to 16 ohms. If two or three sets of speaker systems are connected to the receiver. The speaker impedance may be 8 to 16 ohms.
2. Do not short the SPEAKER OUTPUT terminals.

Fig. 2

STEREO SYSTEM

The SX-1500TD is a general-purpose stereo amplifier. Connect it to the loudspeaker systems (two to six), turntable, tape recorder, etc., which are separately available.

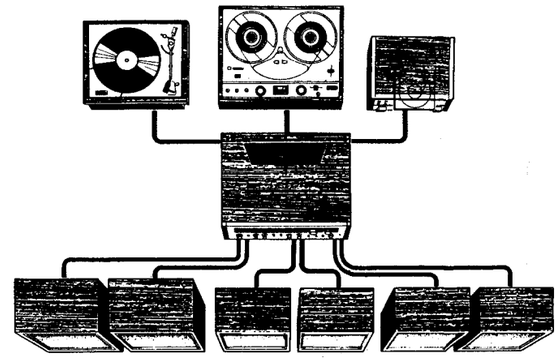


Fig. 3

INSTALLATION

For installation of the stereo systems, select a place meeting the following

- Well-ventilated, and free from moisture and dust
- Unexposed to direct sunlight
- Far from heat radiators (space heaters, etc.)
- Stable without incurring vibrations

LISTENING ROOM

- When the stereo system is installed, listen to music according to the connection and operation instructions described below.
- The reproduced sound is very different depending on the size of the room, the furniture arrangement in the room, and the materials of walls, floor and ceiling.
  Generally, the reproduced sound fills the room if the room has a low ceiling and hard floor, or the room has a small length and a hard wall opposing loudspeakers. This undesirable acoustic condition can be much alleviated by laying a carpet on the floor for the former room and by covering the wall with a thick curtain for the latter room. It is also an effective solution to change the arrangement of furniture for irregular reflection of the loudspeaker sound.

CONTROLS AND SWITCHES ON THE FRONT PANEL:

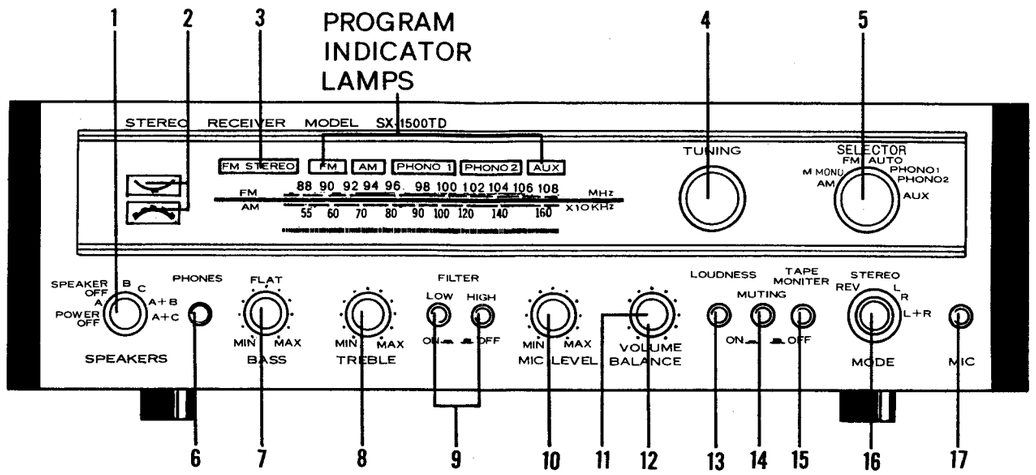


Fig. 4

1. SPEAKERS SWITCH

A combination of the power on/off switch and the loudspeaker system selector switch.

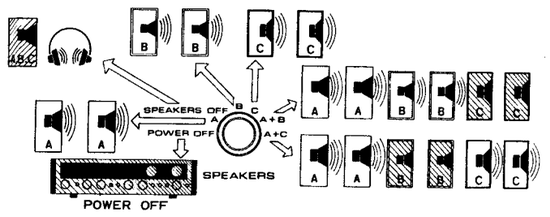


Fig. 5

POWER OFF: · · The equipment is dead. The power supplied from the SWITCHED AC outlet (40) is discontinued simultaneously.

A: · · · · · · · · Sound is reproduced from the loudspeaker system connected to the SPEAKER OUTPUT A terminals (33 and 34).

SPEAKER OFF: · Loudspeakers stop sounding. This position is selected when using a stereo headphone.

B: · · · · · · · · · · The loudspeaker system connected to the SPEAKER OUTPUT B terminals (35 and 36) is put in operation.

C: · · · · · · · · · · The loudspeaker system connected to the SPEAKER OUTPUT C terminals (37 and 38) is put in operation.

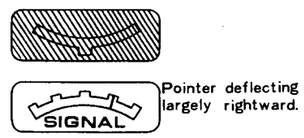
A + B: · · · · · · The loudspeaker systems connected to SPEAKER OUTPUT A and B terminals are put in operation.

A + C: · · · · · · The loudspeaker systems connected to the SPEAKER OUTPUT A and C terminals are put in operation.

2. TUNING METERS

When tuning in to an AM station, adjust the TUNING knob (4) so the pointer of the lower one of the meters deflects largely rightward.
When tuning in to an FM station, adjust the TUNING knob so the pointer of the lower meter deflects largely rightward and, in addition, the pointer of the upper meter is at the center.

Tuning to AM Radio Station



Tuning to FM Radio Station

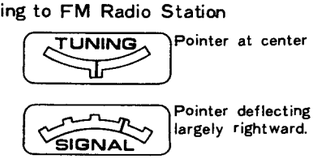


Fig. 6

3. FM STEREO INDICATOR

This lamp is lit during reception of an FM stereo program.

4. TUNING KNOB

The knob for tuning in to an AM or FM station. Adjust the knob for the best tuning while observing the tuning meters (2).

5. SELECTOR SWITCH

The switch for selecting the program source.

AM: · · · · · · · · For reception of an AM program.

FM MONO: · · · For reception of an FM monophonic program.

FM AUTO: · · · · For automatically selective reception of stereo or monophonic FM program.

PHONO 1: · · · · For playing a disk record by using the turntable connected to the PHONO 1 terminals (18).

PHONO 2: · · · · For playing a disk record by using the turntable connected to the PHONO 2 terminals (19).

AUX: · · · · · · For using the cartridge tape player, reproducing the TV audio output, or operating other equipment connected to the AUX terminals (21).

When the SELECTOR switch is operated, the PROGRAM INDICATOR LAMP corresponding to the selected soruce lights.

6. PHONES JACK

When using a stereo headphone, insert its plug into this jack. For the headphone to be used with the Model SX-1500TD, PIONEER's Model SE-20, SE-30 or SE-50 is recommended.

- When a longer cord is required for the stereo headphone, use PIONEER'S Model JB-23 extension cord separately available.
- When desiring to connect two stereo headphones, use PIONEER'S Model JB-22 "Y" cord separately available.

7. BASS CONTROL

When this knob is turned clockwise, bass is boosted; when turned counterclockwise, attenuated. With the knob set to the center, the frequency response curve is flat. The center and outer knobs of this double knob are friction-coupled with each other, and the tone of both left and right channels can be adjusted simultaneously by turning either knob. The center knob is for the left channel, and the outer knob is for the right channel. When adjusting the tone of only one of the channels, turn the knob for that channel while holding the other knob by the other hand.

Fig. 7

8. TREBLE CONTROL

Use of this knob is similar to that of the BASS control knob (7).

9. FILTER SWITCHES

LOW: A switch for suppressing low-frequency noise or hum.

HIGH: A switch for suppressing high-frequency noise.

These switches are of the push-button type. When the button is pressed once, the switch turns on, and when pressed once again, it turns off.

10. MIC LEVEL CONTROL

When using a microphone, adjust the level by turning this knob clockwise.

11. VOLUME CONTROL

The volume increases when the knob is turned clockwise.

12. BALANCE CONTROL

This knob is used for adjusting the stereophonic balance. When the volume of the right channel loudspeaker is smaller, turn the knob clockwise toward RIGHT; when left channel volume is smaller, counterclockwise toward LEFT.

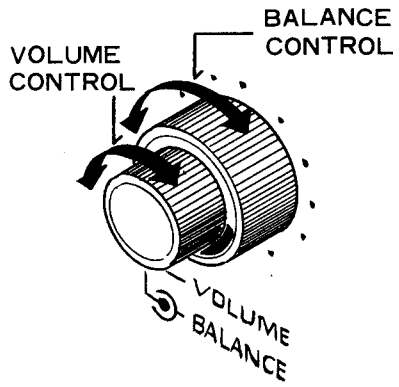


Fig. 8

13, 14 and 15 push-button switches. Switches turn on when the push-buttons are depressed once; turn off when depressed again.

13. LOUDNESS SWITCH

With this switch turned on when the sound volume is low, insufficiencies of bass and treble are compensated for. When the sound volume is high, it is recommended to keep this switch turned off.

14. MUTING SWITCH

Turning on this switch, the noise generated when turning in to an FM station can be eliminated. If the Model SX-1500TD is used where the FM field strength is low, keep this switch turned off since the program sound is also suppressed with the switch turned on.

15. TAPE MONITOR SWITCH

Turn on this switch for listening to or monitoring only the signal reproduced by a tape deck (or tape recorder). When not using the tape deck (or tape recorder), keep this switch turned off. Otherwise, loudspeakers will not sound.

16. MODE SWITCH

Functions as follows:

REV: . . . . . Stereo, with left and right channel input signals exchanged for each other.

STEREO: . . . . Normal stereo

L: . . . . . Monophonic play with only the left channel input signal fed to both channel loudspeakers.

R: . . . . . Monophonic play with only the right channel input signal fed to both channel loudspeakers.

L + R: . . . . . Monophonic play with both left and right channel input signals mixed together and reproduced from both channel loudspeakers.

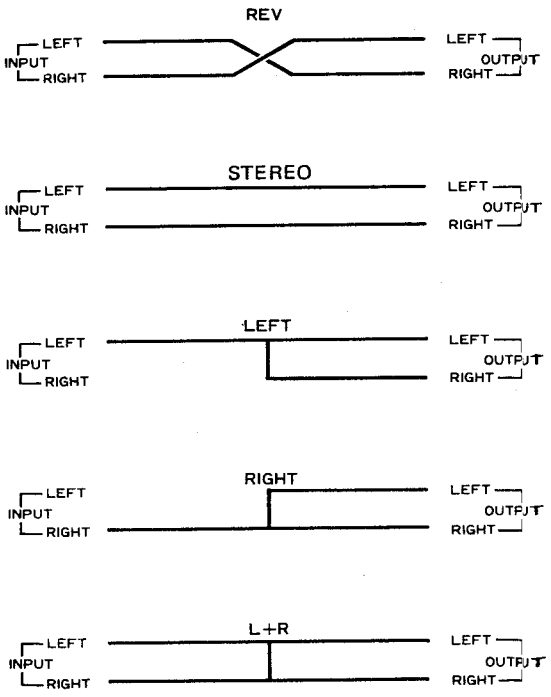


Fig. 9

17. MIC JACK

Jack for connecting a microphone.
Connect a microphone here and adjust the MIC LEVEL control (10), then the microphone can be used regardless of SELECTOR, MODE, VOLUME and other switches and controls.

TERMINALS AND CONNECTORS ON THE REAR PANEL:

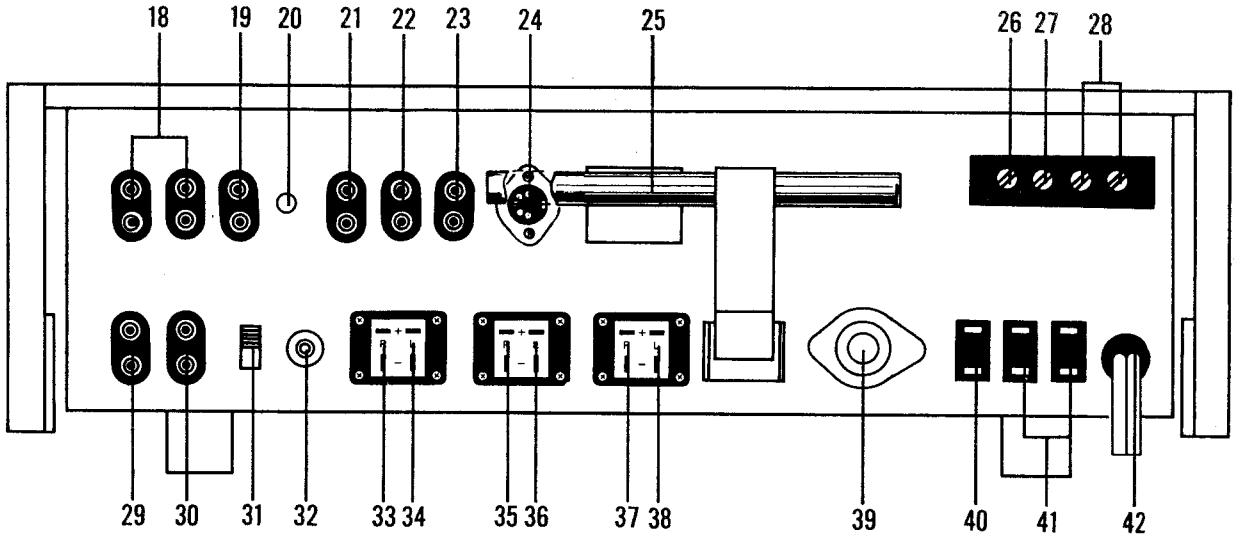


Fig. 10

The upper ones of the terminals 18, 19, 21, 22, 23, 29 and 30 are for the left channel respectively; the lower ones, for the right channel.

18. PHONO 1 TERMINALS

MAG: . . . Connect here a turntable equipped with a moving-magnet cartridge.

CER: . . . Connect here a turntable equipped with a ceramic or crystal cartridge.

NOTE: Two turntables cannot be connected to the MAG and CER terminals simultaneously.

19. PHONO 2 MAG TERMINALS

Connect here a turntable equipped with a moving-magnet cartridge.

20. GND (GROUND) TERMINAL 1

If the turntable or other equipment used with the Model SX-1500TD is provided with a ground wire, connect the wire to this terminal.

21. AUX. (AUXILIARY) INPUT TERMINALS

Connect here the output of a cartridge tape player, the audio output of a TV, or other equipment.

22. TAPE MON TERMINALS (TAPE PLAY-BACK INPUTS)

Connect the line output or monitor output of tape deck (or tape recorder) to these terminals.

23. TAPE REC TERMINALS (TAPE RECORDING OUTPUTS)

Connect the line input of a tape deck (or tape recorder). Signal is always supplied to these terminals while the SX-1500TD is working; however, the signal cannot be controlled with the VOLUME (11), BALANCE (12), TREBLE (8) or BASS (7) controls on the front panel.

24. TAPE REC/PB CONNECTOR (DIN TYPE)

If the tape deck (or tape recorder) to be used with the Model SX-1500TD is provided with a record/playback connector of the DIN type, the tape deck (or tape recorder) can be connected to the Model SX-1500TD for both recording and playback (and monitor) by simply connecting the DIN cable.

When this cable is used, connections to terminals (22) and (23) are unnecessary.

The detail of connection is shown on page 10. Connection of tape deck (or tape recorder)".

25. AM FERRITE ANTENNA

Where the field strength is high, adjust the direction of this ferrite antenna for good reception, without using an external antenna. If good reception cannot be obtained, see page 9; "Antenna Connection and Grounding".

26. AM ANTENNA INPUT TERMINAL

Connect a lead wire or outdoor AM antenna to this terminal if the ferrite antenna (25) cannot get good reception.

27. GND (GROUND) TERMINAL 2

Connect a ground wire to this terminal.

28. FM ANTENNA INPUT TERMINALS

Connect an FM antenna to these terminals.

NOTE: For the details of AM antenna, FM antenna and grounding, see "Antenna connection and grounding" on page 9.

29. PRE AMP OUTPUT TERMINALS

Output terminals of preamplifiers.

Since the signal being played is always supplied to these terminals, mixing and recording by using a microphone can be accomplished through these terminals. Also, with the PRE & MAIN SWITCH (31) in the SEPARATED (upper) position the preamplifiers can be used independent of the main (power) amplifiers.

30. MAIN AMP INPUT TERMINALS

Input terminals of the main (power) amplifiers. With the PRE & MAIN SWITCH (31) in the SEPARATED position, the power amplifiers can be used independent of other components.

31. PRE & MAIN SWITCH

With the switch in the INTERCOUPLED (lower) position, the SX-1500TD operates as an ordinary stereo receiver.

With the switch in the SEPARATED (upper) position, the preamplifier and main amplifier components of the SX-1500TD are usable separately from each other.

32. CENTER CHANNEL OUTPUT TERMINAL

The signals of left and right channels are mixed together and supplied to this terminal at all times. The terminal may be used for composing a 3-D system or connecting a center-channel amplifier.

33. & 34. SPEAKER OUTPUT A TERMINALS

The Model SX-1500TD is designed to permit connection of three sets of stereo loudspeaker systems. Connect the first set of loudspeaker system (system A) to these terminals; the right channel to terminal (33) and the left channel to terminal (34).

35. & 36. SPEAKER OUTPUT B TERMINALS

Connect the right channel loudspeaker of the second loudspeaker system (system B) to terminal (35) and the left channel loudspeaker of this system to terminal (36).

37. & 38. SPEAKER OUTPUT C TERMINALS

Connect the right channel loudspeaker of the third loudspeaker system (system C) to terminal (37) and the left channel loudspeaker of this system to terminal (38).

For connection of loudspeakers to the SPEAKER OUTPUT A, B and C terminals, the plugs supplied as accessories must be used. Follow the instructions under "Connection of loudspeaker system" on page 9, for the correct use of the plugs.

39. FUSE HOLDER

This is the fuse holder for glass-tube. If it is necessary to replace the fuse, always use a 3A type fuse.

40. SWITCHED AUXILIARY AC OUTLET

A power of 230 VA can be supplied to a turntable or other equipment from this outlet. The power supply is turned on and off corresponding to the turning-on and off operations of the SPEAKERS switch (1) on the front panel.

41. UNSWITCHED AUXILIARY AC OUTLET

The power outlet also having a capacity of 230 VA total. The power from this outlet is supplied regardless of the operation of the SPEAKERS switch (1).

42. AC POWER CORD

After all the external equipment is connected to the Model SX-1500Td. connect this cord to a commercial power outlet having a sufficient capacity.

CONNECTION OF LOUDSPEAKER SYSTEM:

- To connect a loudspeaker, take out a speaker connector plug from the accessories bag, and connect it to the leads of the loudspeaker as illustrated in Fig. 11.
  Be sure to connect them for the correct polarity.
- When the plugs have been connected to loudspeakers, connect the plug of the right channel loudspeaker to the SPEAKER OUTPUT A terminal (33) and that of the left channel loudspeaker to the SPEAKER OUTPUT A terminal (34). (See Fig. 2)
- When using two or three loudspeaker systems with the SX-1500TD, connect the second loudspeaker system to SPEAKER OUTPUT B terminals (35 & 36), and the third system to SPEAKER OUTPUT C terminals (37 & 38).

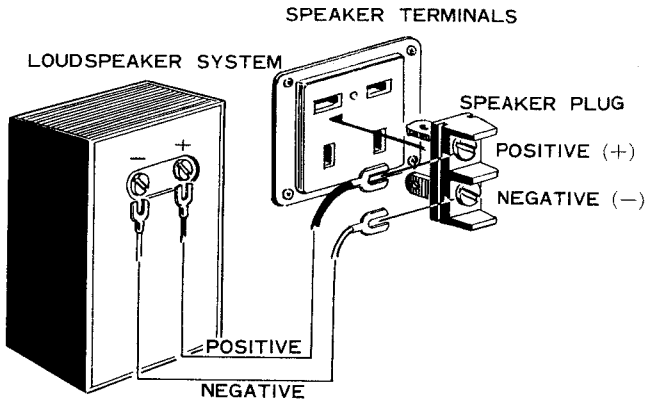


Fig. 11

ANTENNA CONNECTION AND GROUNDING:

FM ANTENNA

When using the Model SX-1500TD at a place of low field strength or distant from the station, select the appropriate FM antenna as follows:

- Use the accessory T-type indoor antenna when using the Model SX-1500TD within a wooden building near the FM station. connect the free end of the vertical section of the antenna to the FM antenna terminals (28) as shown in Fig. 12. Extend the horizontal section of the antenna, and determine its direction for good reception while actually receiving a broadcast program. Fix the horizontal section on a wall or other place in the determined direction. For the operating procedure, see "Reception of FM broadcast" on page 11.
- When using the Model SX-1500TD at a long distance from the station, or within a building, install an FM outdoor antenna, and connect it to the FM antenna terminals (28) as in Fig. 13.
  The FM antenna is various in type, consisting of 3 to 7 elements. Select the optimum antenna by consulting a nearby radio, TV or hi-fi equipment sales store.

AM ANTENNA

When using the Model SX-1500TD near the station or inside a wooden building, connection of an external AM antenna is unnecessary. Adjust the direction of the AM ferrite antenna (25) located on the rear panel for the best radio reception while actually listening to broadcasts, referring to "Reception of AM broadcast" on Page 11.

- If good radio reception cannot be attained with the AM ferrite antenna (25), use the accessory AM lead wire antenna. Connect one end of the antenna to the AM antenna terminal (26), and extend the wire along a wall of the room. (See Fig. 12)
- If input is still not enough, install an AM antenna outdoors instead of using the lead wire antenna. (See Fig. 13)
  NOTE: A standard AM outdoor antenna can be formed by purchasing PVC wire from an electric appliance store and installing it 25 feet (7.5 m) above the ground for a horizontal length of 50 feet (15 m), with a feeder line 30 feet (10 m) long. These antenna dimensions need not be so precise, and may be as large as allowable by the place of installation. However, the height of the horizontal section of the antenna should not be too low to attain a good antenna effect.

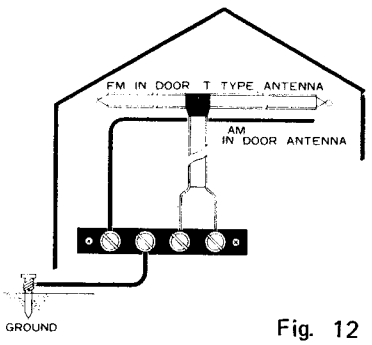


Fig. 12

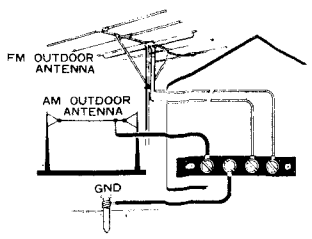


Fig. 13

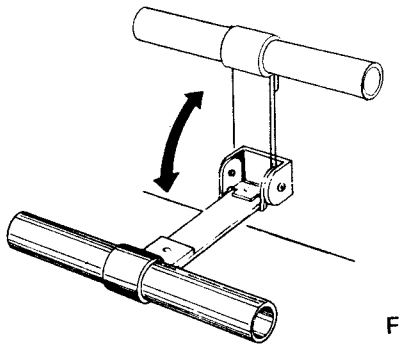


Fig. 14

GROUNDING

- Whether or not the Model SX-1500TD is grounded does not much affect the performance of the equipment. However, grounding is recommended for stabilization of the performance.
- Connect to the GND terminal 2 (27) a ground conductor leading to the earth.

CONNECTION OF TURNTABLE:

- If the turntable to be used is equipped with a moving-magnet cartridge, connect the output cords of the turntable to the MAG terminals of PHONO 1 (18) on the rear panel; if equipped with a ceramic cartridge, to the CER terminals of PHONO 1 (18). Connect the left channel output cord of the turntable to the upper terminal, and the right channel output cord to the lower terminal.
  When using a monophonic turntable, its output cord may be connected to either upper or lower terminal.
- To use two turntable both having a moving-magnet cartridge, connect one to the PHONO 1 MAG terminals (18) and the other to the PHONO 2–MAG terminals (19).

NOTE: 1. When desiring to use a turntable equipped with a moving-coil (MC) cartridge, use a matching transformer for MC cartridge, or a separate head amplifier for connection of the turntable to the Model SX-1500TD.

2. The output cords of some turntable are provided with plugs which do not meet the input terminals of the Model SX-1500TD. In such a case, replace the plugs with the pin plugs contained in the accessories bag.

CONNECTION OF TAPE DECK (TAPE RECORDER):

- The tape deck to be connected to the Model SX-1500TD should have a record/playback pre-amplifier built-in, such as PIONNER's Model T-600, T-500.
- The tape recorder to be connected should have output terminals (line output) for external amplifier, or tape monitor terminals.

CONNECTION FOR TAPE RECORDING

Connect the LINE INPUT terminals of the tape deck (or tape recorder) to the TAPE REC terminals (23) on the rear panel. For this connection, use the cords accessory to the tape deck (or tape recorder). The upper terminal is for the left channel, and the lower one is for the right channel. If the tape recorder is monophonic, connect it to the upper terminal.

CONNECTION FOR TAPE PLAYBACK (OR TAPE RECORDING MONITOR)

Connect the LINE OUTPUT or TAPE MONITOR terminals of the tape deck (or tape recorder) to the TAPE MON terminals (22). Use of the terminals is similar to that for the connection for recording described above.

USE OF RECORD/PLAYBACK CONNECTOR

If the tape deck (or tape recorder) is equipped with a record/playback connector of the DIN type, connectthe connector to the TAPE REC/P.B. connector (24) by using the DIN cable that is separately available. In this case, connections as described in "Connection for tape recording" and "Connection for tape playback (or tape recording monitor)" above are unnecessary.

CONNECTION OF CARTRIDGE TAPE PLAYER:

When using a cartridge tape player, such as PIONEER's Model H-60, connect its output to the AUX terminals (21) on the rear panel.

RECEPTION OF BROADCAST:

- Set the SPEAKERS switch (1) to the "A" position after ensuring the following:
  1. The BALANCE knob (12) is in the NORMAL (center) position.
  2. The VOLUME knob (11) is in the MIN position (turned fully counterclockwise).
  3. The TAPE MONITOR switch (15) is set to the OFF position.
  4. The MODE switch (16) is in the STEREO position.

RECEPTION OF FM BROADCAST

1. Set the SELECTOR switch (5) to the FM AUTO position.
2. Turn on the MUTING switch (14). (Keep the switch turned off, if the field strength is low.)
3. While observing the pointer deflection of the tuning meters (2), tune in to the desired station by adjusting the TUNING knob (4).
   The best radio reception is attained when the pointer of the lower tuning meter deflects largely rightward, and the pointer of the upper tuning meter indicates the center. When the tuned-in station is broadcasting a stereo program, the FM stereo indicator (3) lights, and the Model SX-1500TD operates automatically for stereo broadcast reception. If the received program is monophonic, the indicator does not light, and the equipment operates for monophonic broadcast reception.
4. When the desired station has been tuned in, turn the VOLUME control (11) gradually clockwise for the desired volume. Adjust the BASS (7) and TREBLE (8) controls as desired.

- If the Model SX-1500TD is used far away from the broadcasting station, or where external noise is high, the noise is suppressed and better reception can be attained by keeping the SELECTOR switch (5) set to the FM MONO position. With the switch in this position, however, a stereo program is received as a monophonic program.
- If good radio reception cannot be attained by the operations instructed in Items 1 through 4 above, reconsider the antenna, referring to "Antenna connection and grounding", on page 9.

RECEPTION OF AM BROADCAST

1. Set the SELECTOR switch (5) to the AM position.
2. While observing the pointer deflection of the tuning meter (2), tune in to the desired station by adjusting the TUNING knob (4).
   The best radio reception is attained when the pointer of the lower tuning meter deflects largely rightward.
3. When the desired station has been tuned in, adjust the VOLUME (11), BASS (7) and TREBLE (8) controls for desired volume and tone.

- If good reception cannot be attained by the operations instructed in Items 1 through 3 above, reconsider the antenna, referring to the "Antenna connection and grounding", on page 9.
- When the broadcasting station is very near, much distorted sound may result from the high field strength. If this occurs, shorten or remove the antenna connected to the AM antenna terminal (26) for the best radio reception.

PLAY OF DISK RECORD:

1. Set the SELECTOR switch (5) to the PHONO 1 position, when operating the turntable connected to the PHONO 1 terminals (18) on the rear panel. Set the switch to the PHONO 2 position when operating the turntable connected to the PHONO 2 terminals (19).
2. If the turntable to be operated is monophonic, set the MODE switch (16) to the "L" or "R" position.
3. Adjust the VOLUME (11), BASS (7) and TREBLE (8) controls for desired volume and tone.

PLAY OF CARTRIDGE TAPE:

1. Set the SELECTOR switch (5) to the AUX position.
2. The succeeding procedure is identical with its counterpart of "Play of disk record" above.

USE OF MICROPHONE:

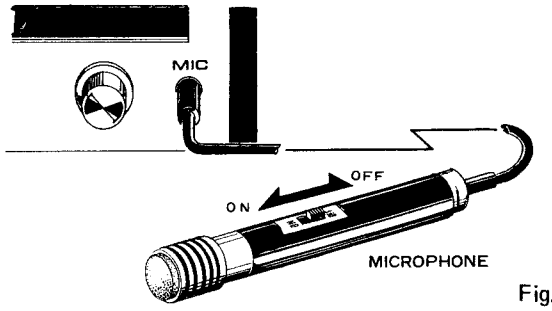


Fig. 15

Be sure to turn the switch to ON when using this microphone. When it is not in use, see to it that the switch is set to OFF.
It is recommended that the MIC LEVEL control be set to MIN.

Adjust the MIC LEVEL control (10) for proper sound volume. The signal from the microphone is always reproduced from both left and right channel loudspeakers; therefore, the microphone is usable (mixing effected) even while playing a record or receiving a radio program.

Note: Do not increase the level too much, or "howling" may result. Keep the microphone as far from the loudspeaker system as possible.

RECORDING AND PLAYBACK WITH TAPE DECK (OR TAPE RECORDER):

RECORDING

The same signal as that reproduced from loudspeakers is always supplied to the TAPE REC terminals (23). According to the program source desired to be recorded, operate the SELECTOR switch (5) and MODE switch (16), referring to "Reception of broadcast" and "Play of disk record". The signal does not concern the BOLUME, BASS or TREBLE controls of the Model SX-1500TD. Adjust the recording level with the controls provided on the tape deck (or tape recorder)

NOTE: When using a monophonic tape recorder set the MODE switch (16) to the L + R position, and monophonic signal is supplied to the recorder. In this case, however, the sound reproduced from loudspeakers is also monophonic.

RECORDING WHILE USING A MICROPHONE

1. Connect the line input terminals of the tape deck (or tape recorder) to the PRE-AMP OUTPUT terminals (29) of the SX-1500TD.
2. Since the signal being played is always supplied to the PRE-AMP OUTPUT terminals, the signal level is controllable by the VOLUME, BASS, TREBLE and MIC LEVEL knobs of the Model SX-1500TD.

PLAYBACK

Turn on the TAPE MONITOR switch (15), and adjust the VOLUME (11), BASS (7) and TREBLE (8) controls for desired volume and tone.

- When the TAPE MONITOR switch (15) is in the "ON" position, the position to which the SELECTOR switch (5) is set is unrelated to the equipment operation.

TAPE MONITOR

When using a 3-head tape deck (or tape recorder) for recording, monitor can be conducted as follows:

- Turn on the TAPE MONITOR switch (15), and the after-recording signal will be monitored
- Turn off the switch, and the before-recording signal will be monitored.

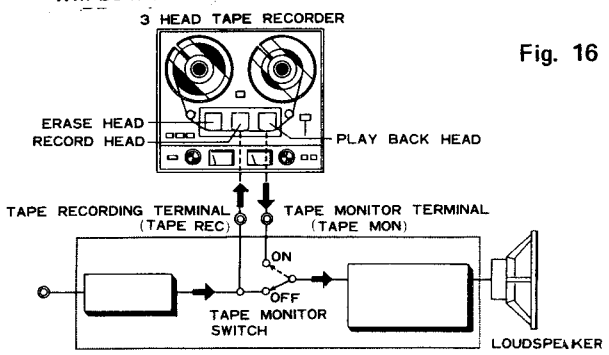


Fig. 16

IN ADDITION TO THE FOREGOING, MODEL SX-1500TD CAN ALSO BE USED AS FOLLOWS:

MULTI-AMPLIFIER SYSTEM

- A multi-amplifier system can be composed by using a two- or three-division band-pass filter and one or two stereo power amplifiers besides the Model SX-1500TD.
  a) Set the PRE & MAIN switch (31) to the "SEPARATED" position (upper position).
  b) Connect the PRE-AMP OUTPUT terminals (29) to the input terminals of the dividing band-pass filter, and the MAIN-AMP INPUT terminals (30) to the output terminals of one of the dividing band-pass filters.
  c) Connect the input of the other stereo power amplifiers to the output terminals of the other dividing band-pass filters.

INTEGRATE STEREO SYSTEM

By connecting one or more of PIONEER's Model IS-60, IS-70 or IS-80 units, which are separately available, to the PRE-AMP OUTPUT terminals for both left and right channels, respectively, an integrate stereo system having minimum sound distortion can be composed. Also, a PA system to be used in a large place can be formed by using several power systems with the MODEL SX-1500TD.

3-D STEREO SYSTEM

A 3-D stereo system can be produced by connecting to the CENTER CHANNEL OUTPUT terminal (32) a power amplifier equipped with a low-pass filter (f=150 to 250 Hz).

PIONEER

CENTER-CHANNEL LOUDSPEAKER SYSTEM

By connecting a power amplifier and loudspeaker to the CENTER CHANNEL OUTPUT terminal and placing the loudspeaker at the center between the left and right channel loudspeakers, the "hole effect" of stereo sound can be prevented.

SPECIFICATIONS

SEMICONDUCTORS

Tuner Section	
FET	1
ICs	5
Transistors	16
Diodes	14
Audio Section	
Transistors	28
Diodes, etc.	8

FM SECTION

Circuitry	Front end using FET and 4-gang tuning capacitor. IF amplifier using 4 ICs (Integrated circuits)
Frequency Range	87.5–108 MHz
IHF Usable Sensitivity	1.7μv
Capture Ratio	0.7dB (at 98 MHz)
Image Rejection	72 dB (at 98 MHz)
Selectivity	40 dB (IHF rating)
Signal to Noise Ratio	60 dB (IHF rating)
Antenna Input	300-ohm (balanced)

MULTIPLEX SECTION

Circuitry	Time-switching type demodulator. (using IC) FM Mono Stereo Automatic selection
Channel Separation	42 dB (at 1 kHz)

AM SECTION

Circuitry	Superheterodyne
Frequency Range	525 – 1605 kHz
IHF Usable Sensitivity	18μv
Image Rejection	77 dB (at 1000 kHz)
Antenna Input	Built-in Ferrite Loopstick Antenna

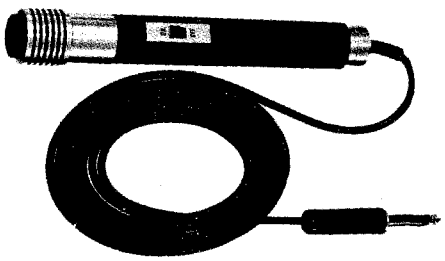
AUDIO SECTION

Circuitry	Single ended push pull
Music Power Output	8Ω 145 watts total (IHF rating) 4Ω 180 watts total
Continuous Power Output	8Ω 58 watts/58 watts (Each channel driven) 4Ω 70 watts/70 watts (Each channel driven)
Harmonic Distortion	Less than 0.5% (at 1 kHz continuous power output)
Damping Factor	8Ω 50 (at 1kHz)
Frequency Response	±3 dB, from 10 Hz to 100 kHz (Over-all)
Power Bandwidth	15Hz to 40 Hkz (AUX, IHF)
Hum & Noise Ratio (at continuous power output)	MAG: better than 80 dB AUX: better than 100 dB
Input Impedance and Audio Sensitivity (for continuous power output, at 1 kHz)	MAGnetic PHONO: 2.7mv, 50 kΩ CERamic PHONO: 60 mv, 100kΩ MICrophone: 3.2 mv, 30kΩ TAPE MONITOR: 200 mv, 100kΩ AUXiliary: 200 vm, 100kΩ MAIN IN: 480 mv, 80kΩ
Output Terminals and Jacks	Speakers: Impedance 4 to 16 ohms. Stereo headphones jack. Simultaneous tape recording jacks equipped with TAPE MONITOR switch. Tape recording/playback jack (DIN type) PREamplifier OUTPUT jacks. CENTER CHANNEL output jack.
Equalization curves	PHONO: RIAA
Tone Controls (each channel)	BASS: boost 11 dB, cut 16 dB (at 50 Hz) TREBLE: boost 10 dB, cut 9 dB (at 10 kHz)
Filters	LOW: cut 8dB (at 50 Hz) HIGH: cut 6 dB (at 10 kHz)
Loudness Contour	Switchable to ON-OFF boost 12 dB at 50 Hz, boost 9 dB at 10 kHz, with VOLUME control set at-40 dB

MISCELLANEOUS

Power Requirements	120 volts 50–60 Hz.
Power Consumption	250 VA, 230 watts (Max)
Dimensions (overall)	18-1/16" 459 mm (Width) 5-11/16" 145 mm (Height) 14-1/2" 369 mm (Depth)
Weight	Without package 25 lb 2 oz 11.4 kg With package 29 lb 2 oz 13.2 kg

MICROPHONE FOR SX-1500TD



NOTE:

Specifications and the design subject to possible modification without notice due to improvements.

CONDITIONS FREQUENTLY MISTAKEN FOR MALFUNCTION

Noise: There are a variety of noises relating to the operation of a hi-fi unit. These are generally divided into two types; (1) the unit is faulty (a transistor or part has deteriorated) and (2) an external source of noise is adding noise to the unit.
When a hi-fi unit produces an unpleasant noise, it is often assumed that the unit is faulty, but statistical records indicate that the majority of noises produced in hi-fi acoustic units result from external sources of noise. Due to the inherent high sensitivity and the high fidelity in reproduction, the unit amplifies and reproduces extraneous poises into definite output noise. If your receiver produces a noise, check according to the following table and trace out the source of noise for the appropriate corrective action.

	Symptom	Suspected Source of Noise	Diagnosis and Remedy
When Listening to Broadcast	Continuous or intermittent noise like jjjjjj or zzzzzz.	• Static (lightning) • Fluorescent lamp, motor, or thermostat may be used in house or in the vicinity of the house.	In many cases, it is very difficult to remove the source of noise. In order to make the radio input larger than the noise level, set up a good outdoor antenna and make a complete grounding.
	When a station is tuned in, hum is mixed in the program.	• Poor fluorescent lamp, motor, or electric heater may be in use in house or near the house.	Reversing the line plug may occasionally alleviate this noise problem. Usually it is very difficult to eliminate the noise.
	Hissing sound noise in AM (medium wave) reception.	• The frequency of an adjacent station is interfering with that of the station being tuned in (10kHz beat interference). • TV set is on in the same house with the receiver.	Impossible to remove such interference. If the cause of such noise is in the TV set, increase the distance between the TV set and receiver.
	Static noise (in particular, when automobiles run close to the house).	• White noise generated from automobile engines. • Radio frequency sewing machine or welding machine being used near your house.	In an area surrounded by hills or high buildings, the FM input signals are very weak. Thus the noise limiter in the circuit loses its function. Set up an outdoor FM antenna having many reflector elements.
	Reception of FM stereo program contains more noise than FM mono program.	• Note that the service area covered by an FM stereo broadcast is about 50% of that of a regular mono broadcast.	Increasing FM input signal may alleviate this problem. Use an exclusive FM outdoor antenna instead of the indoor T- type antenna.
When Playing Records	Hum or buzz. When switched to radio reception, the noise disappears.	• Poor connection of shielded wire (a). • Jack connection is loose. (b) • Line cord or fluorescent lamp is near the shielded wire. (c) • Poor grounding. (d) • HAM transmitting station or TV transmitting station is near your house. (e)	Correct the conditions stated in (a), (b), (c) or (d). In case of (e), report it to an official activity.
	Output tone quality is poor and mixed with noise. Treble is not clear.	• Stylus is worn out. (a) • Record is worn out. (b) • Dust adheres to stylus. (c) • Stylus is improperly mounted. (d) • Stylus pressure is not proper. (e) • The TREBLE level is too high.	Check (a) through (e) and correct the condition. Lower the TREBLE level.

Watch for the following conditions; these are also apt to be mistaken for malfunction.

	Symptom	Suspected Source of Noise	Diagnosis and Remedy
	Power is not turned on although the power switch is set to ON.	• Fuse blows. (a) • Line plug is loose. (b)	Check (a) and (b) and correct the condition.
	In playing a record, increasing the volume causes howling.	• Distance between the turntable and the speakers is too short. • The place on which the turntable or speakers are set is unstable.	Change the distance or rearrange the installation increase of the unit and speakers. (Installing the turntable on a firm, solid stand may alleviate this problem.) Do not enhance the BASS sound level excessively.

ALIGNMENT INSTRUCTIONS

ALIGNMENT OF FM SECTION

Disconnect OUTPUT terminal of front end from IN terminal of IF unit
Position of Switch: SELECTOR . . . . . FM MONO
MUTING . . . . . OFF
Volume Control Setting: Fully Counterclockwise

STEPS	Input		Level	Dial Setting	Output Equipment Connections	Alignment	
	Equipment Connections	Frequency				Adjust	Remarks
1	Sweep Generator IN terminal of IF unit	10.7MHz	40dB		Oscilloscope Ⓜ terminal	T_1 of IF Unit T_2 T_3	Adjust for maximum sensitivity and symmetrical characteristics
2			80dB			Check symmetry of curve	
3	Remove electrolytic capacitor C_{12} (of FM IF Unit 4.7μF) in detector circuit						
4	Sweep Generator IN terminal of IF unit	10.7MHz	40dB		Oscilloscope OUT terminal	T_4 of IF Unit	Adjust the primary core of T_4 so that slope of straight portion of "S" curve will become the steepest and adjust the secondary core so that the center of "S" curve will coincide with the center of the marker.
5	Connect OUTPUT terminal of Front end to IN terminal of IF unit						
6	Sweep Generator TP of Front end	10.7MHz	40dB	Point of no interference as near as 88MHz	Oscilloscope Ⓜ terminal	T_2 of front end	Adjust for maximum sensitivity and symmetrical characteristics
7			80dB			Check symmetry of curve	
8			40dB		Oscilloscope OUT terminal	T_4 of IF Unit	Adjust similarly to STEP 4.
9	Connect electrolytic capacitor C_{12} (4.7μF)						
10	Signal Generator FM Antenna terminal	90MHz	20dB (400Hz 30%)	90MHz	Oscilloscope V.T.V.M. OUT terminal	L_5 of front end	Adjust for maximum deflection
11		106MHz		106MHz		CT_4 of front end	
12	Repeat STEPS 10 and 11 several times						
13	Signal Generator FM Antenna terminal	90MHz	10dB (400Hz 30%)	90MHz	Oscilloscope V.T.V.M. OUT terminal	L_1, T_1, T_2 of front end	Adjust for maximum deflection
14		106MHz		106MHz		CT_1, CT_2, CT_3 of front end	
15	Repeat STEPS 13 and 14 several times						

ALIGNMENT OF MPX SECTION

Position of Switch: SELECTOR ..... FM AUTO
MUTING..... OFF
VOLUME Control Setting: Fully Counterclockwise
Input Signal: Main (L + R) 40.5kHz Deviation (60%)
19kHz Pilot 7.5kHz Deviation (10%)

STEPS	Circuit to be adjusted	Input		Connect VTVM	Adjust	Alignment
		Connections	Signal			Remarks
1	Separation	MPX SG to FM Antenna terminal	Sub (L–R)	AC VTVM REC terminal L or R	L1	Adjust for maximum deflection.
2			L or R		VR1	Adjust for minimum deflection of the other channel.

ALIGNMENT OF AM SECTION

Position of Switch: SELECTOR . . . . . AM
Volume Control Setting: Fully Counterclockwise

STEPS	Input				Output Equipment Connections	Alignment	
	Equipment Connections	Frequency	Level	Dial Setting		Adjust	Remarks
1	Sweep Generator TP_1	455KHz	50dB	Point of no interference as near as 535KHz	Oscilloscope OUT terminal	T_3, T_4, T_5	Adjust for maximum sensitivity and symmetrical characteristics
2	Signal Generator Antenna through dummy	600KHz	70dB (400Hz 30%)	600KHz	AC V.T.V.M. OUT terminal	T_2	Adjust for maximum deflection
3		1400KHz		1400KHz		CT_3	
4	Repeat STEPS 2 and 3 several times						
5	Signal Generator Antenna terminal through dummy	600KHz	30dB	600KHz	AC V.T.V.M. OUT terminal	T_1, Ferrite Antenna (Adjusting core)	Adjust for maximum deflection
6		1400KHz		1400KHz		CT_1, CT_2	
7	Repeat STEPS 5 and 6 several times						

PARTS LAYOUT

Top View

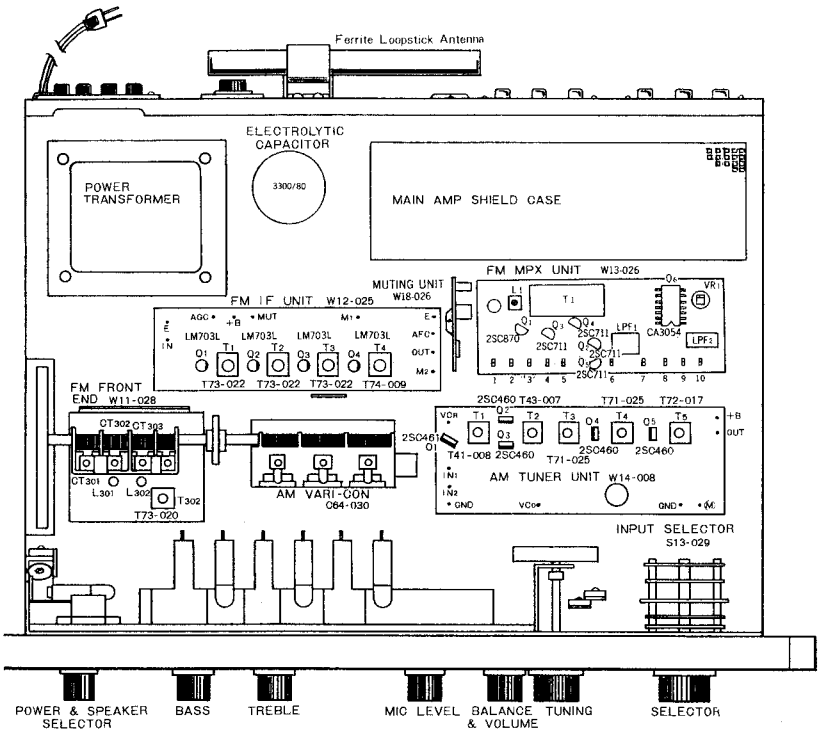


Fig. 17

Bottom View

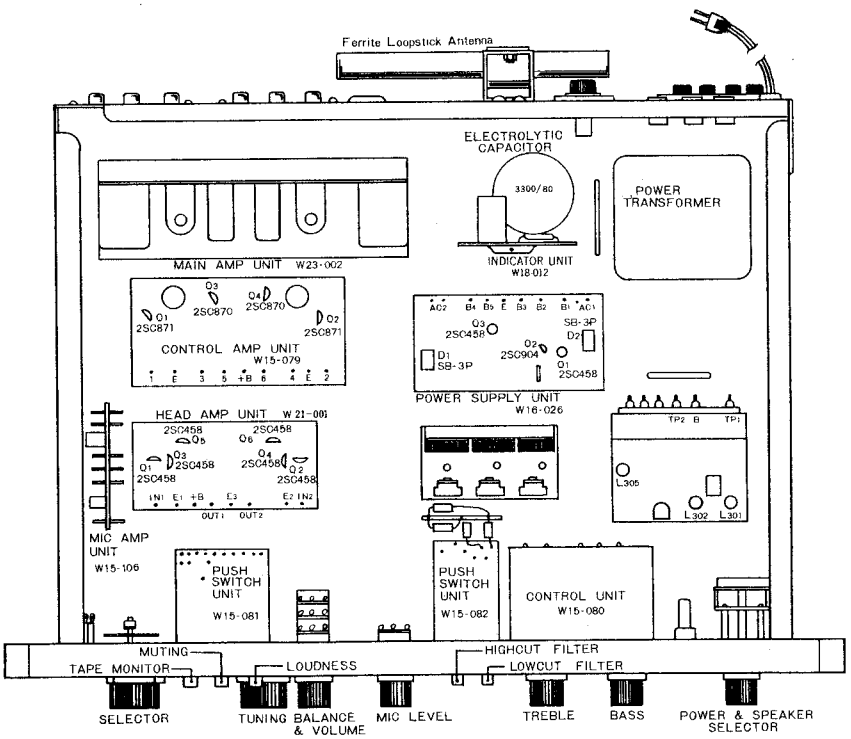


Fig. 18

PARTS LIST

CAPACITORS

IN μF, 10% TOLERANCE UNLESS OTHERWISE NOTED
P: μμF

Symbol	Description			Part No.
C 1	Ceramic	3p	50V	CCDSL 030D 50
C 2	Electrolytic	220	3V	CEMX 220MF 3V
C 4	Electrolytic	3300	80V	C52-085-0
C 5	Ceramic	0.01	D.C 1.4kV	C43-003-0
C 6	Ceramic	0.01	D.C 1.4kV	C43-003-0
C 7	Oil paper	0.01	A.C 450V	C15-001-0
C 8	Mylar	1000p	50V	CQMA 102K 50
C 9	Mylar	1000p	50V	CQMA 102K 50
C 10	Ceramic	0.04	50V	CKDYZ 403Z 50
C 11	Electrolytic	0.47	16V	CETG 4R7MF 16V
C 12	Ceramic	0.01	D.C 1.4kV	C43-003-0
C 14	Electrolytic	470	25V	CEMX 470MF 25V
C 15	Electrolytic	1000	50V	C52-084-0
C 16	Electrolytic	1000	50V	C52-084-0

RESISTORS

IN OHM 10% TOLERANCE, ¼W UNLESS OTHERWISE NOTED K: KΩ, M: MΩ

Symbol	Description			Part No.
R 1	Carbon film	150k		RF ¼PS 150K-K
R 2	Carbon film	150k		RF ¼PS 150K-K
R 3	Carbon film	100k		RF ¼PS 100K-K
R 4	Carbon film	100k		RF ¼PS 100K-K
R 5	Carbon film	1M		RF ¼PS 1M-K
R 6	Carbon film	1M		RF ¼PS 1M-K
R 7	Carbon film	68k		RF ¼PS 68K-K
R 8	Carbon film	68k		RF ¼PS 68K-K
R 9	Carbon film	470		RF ¼PS 470-K
R 10	Carbon film	470		RF ¼PS 470-K
R 11	Carbon film	150	3W	RO3 150-K
R 12	Carbon film	150	3W	RO3 150-K
R 13	Carbon film	6.8k		RF ¼PS 6R8K-K
R 14	Carbon film	6.8k		RF ¼PS 6R8K-K
R 15	Carbon film	2.2M	½W	RF ½PS 2R2M-K
R 16	Carbon film	100		RF ¼PS 100-K
R 17	Carbon film	68k		RF ¼PS 68K-K
R 18	Carbon film	68k		RF ¼PS 68K-K
R 19	Carbon film	12k		RF ¼PS 12K-K
R 20	Carbon film	12k		RF ¼PS 12K-K
R 21	Carbon film	220k		RF ¼PS 220K-K
R 22	Carbon film	220k		RF ¼PS 220K-K
R 23	Carbon film	100		RF ¼PS 100-K
R 24	Carbon film	10k		RF ¼PS 10K-K

COIL AND TRANSFORMERS

Symbol	Description	Part No.
L 1	Heater Choke Coil	T24-026-0
L 2	Choke Coil	T24-030-0
	AM Ferrite Loopstick Antenna	T42-024-A
	Power Transformer	T52-190-0

SWITCHES

Symbol	Description	Part No.
S 1	SELECTOR Switch	S13-029-A
S 2	MODE Switch	S14-035-0
S 3	SPEAKERS Switch	S11-031-0
S 4	PRE-MAIN Witch	S41-022-A

POTENTIOMETERS

Symbol	Description	Part No.
VR 1	500kΩ dual, VOLUME and BALANCE	C88-009-0
VR 2	30kΩ, MIC LEVEL	C81-013-0

MISCELLANEOUS

Symbol	Description	Part No.
	FM Front End	W11-028-D
	FM IF Unit	W12-025-E
	FM MPX Unit	W13-026-0
	AM Tuner Unit	W14-008-0
	Muting Unit	W18-026-0
	Indicator Unit	W18-012-0
	Head Amp Unit	W21-001-0
	Control Amp Unit	W15-079-0
	Control Unit	W15-080-0
	Push Switch Unit	W15-081-0
	Push Switch Unit	W15-082-B
	Main Amp Unit	W23-002-B
	Power Supply Unit	W16-026-A
	MIC Amp Unit	W15-106-0
	Front Panel Ass'y	M21-334-J
	Front Panel	M21-335-F
	Plastics Panel	M21-337-A
	AM Ferrite Loopstick Antenna Holder	W72-002-A
	Dial Pulley for Tuning Capacitor	M42-027-A
	Dial Pulley	M42-009-A
	Joint	M16-043-0
	Dial Pulley (Small)	M42-054-0
	Foot	M61-017-0
	Wooden Case	M52-119-B
	Dail Glass	A33-084-C
	Dial Pointer	A31-090-C
	Signal Meter	A91-009-D
	Tuning Meter	A91-008-D
	Name Plate	A44-294-0
	Knob for SELECTOR	A12-163-0
	Knob for TUNING	A12-165-0
	Knob for SPEAKERS, MODE and MIC LEVEL	A12-144-D
	Knob for BASS(L), TREBLE(L) and VOLUME	A12-168-B
	Knob for BASS(R), TREBLE(R) and BALANCE	A13-016-C
	6P Input Terminal	K22-013-D
	4P Input Terminal	K22-010-E
	1P Input Terminal	K21-005-C
	4P Antenna Terminal	K11-018-0
	Pilot Lamp for Dial Glass	E22-017-0
	Pilot Lamp for Program Indicator	E22-021-0
	Pilot Lamp for Tuning and Signal Merters	E22-002-0
	Fuse 3A	E21-022-0
	UL Fuse 3A	E21-021-0
	Tuning Capacitor for AM	C64-030-0
	Compound Part for REC terminal	W52-004-0
	Speare AC Outiet	K82-011-0
	Speaker Socket	K73-003-A
	Microphone Jack	K72-020-0
	Headphone Jack	K72-021-C
	Pilot Lamp (Program Indicator) Socket	K42-003-A
	Pilot Lamp (Dial Glass) Socket	K91-005-A
	Connector 5P	K93-003-B
	Short Pin Plug	K71-028-0
	Fuse Holder	K96-007-A
	Smooth Nylon	E32-022-B
	Dial Spring	E31-064-B
	Plustics Insulator	E32-045-0
	Insulating Nut	E34-004-0
	Screw to fix Wooden Case	B11-015-0
	Screw for GND Terminal	B11-012-A
	A.C Power Cord	D11-003-D
	Instruction Manual	R12-077-0
	FM Indoor Antenna	D52-013-0
	AM Indoor Antenna	D52-002-A
	Accessory Parts kit (A-7)	E11-062-0
	Accessory Parts kit (B-27)	E11-106-0
	Packing Case	H15-128-0
	Protector (Styrol)	H11-062-0
	Protector for Microphone	H11-059-0

FM IF UNIT (W12-025)

CAPACITORS

Symbol	Description			Part No.
C1	Ceramic	0.01	25V	CKDYZ 103P 25
C2	Ceramic	0.01	25V	CKDYZ 103P 25
C3	Ceramic	0.01	25V	CKDYZ 103P 25
C4	Ceramic	0.01	25V	CKDYZ 103P 25
C5	Ceramic	10p	50V	CCDSL 100K 50
C6	Mylar	0.1	50V	CQMA 104M 50
C7	Ceramic	0.01	25V	CKDYZ 103P 25
C8	Ceramic	0.01	25V	CKDYZ 103P 25
C9	Ceramic	0.01	25V	CKDYZ 103P 25
C10	Ceramic	0.01	25V	CKDYZ 103P 25
C11	Electrolytic	1	50V	CEMX 1MF 50V
C12	Ceramic	3p	50V	CCDSL 030C 50
C13	Ceramic	0.01	25V	CKDYZ 103P 25
C14	Ceramic	100p	50V	CCDSL 101K 50
C15	Ceramic	0.01	25V	CKDYZ 103P 25
C16	Ceramic	0.01	25V	CKDYZ 103P 25
C17	Ceramic	0.01	25V	CKDYZ 103P 25
C18	Electrolytic	4.7	16V	CEMX 4R7MF 16V
C19	Ceramic	300p	50V	CCDSL 301K 50
C20	Electrolytic	1	25V	CSYA 010M 25
C21	Electrolytic	4.7	16V	CEMX 4R7MF 16V
C22	Ceramic	10p	50V	CCDSL 100K 50
C23	Ceramic	10p	50V	CCDSL 100K 50
C24	Ceramic	0.01	25V	CKDYZ 103P 25

RESISTORS

Symbol	Description		Part No.
R1	Carbon film	47k	RF¼PS 47K-K
R2	Carbon film	470	RF¼PS 470-K
R3	Carbon film	56k	RF¼PS 56K-K
R4	Carbon film	470	RF¼PS 470-K
R5	Carbon film	56k	RF¼PS 56K-K
R6	Carbon film	6.8k	RF¼PS 6R8K-K
R7	Carbon film	2.7k	RF¼PS 2R7K-K
R8	Carbon film	33k	RF¼PS 33K-K
R9	Carbon film	22k	RF¼PS 22K-K
R10	Carbon film	100	RF¼PS 100-K
R11	Carbon film	220k	RF¼PS 220K-K
R12	Carbon film	820	RF¼PS 820-K
R13	Carbon film	150	RF¼PS 150-K

DIODES AND TRANSISTORS

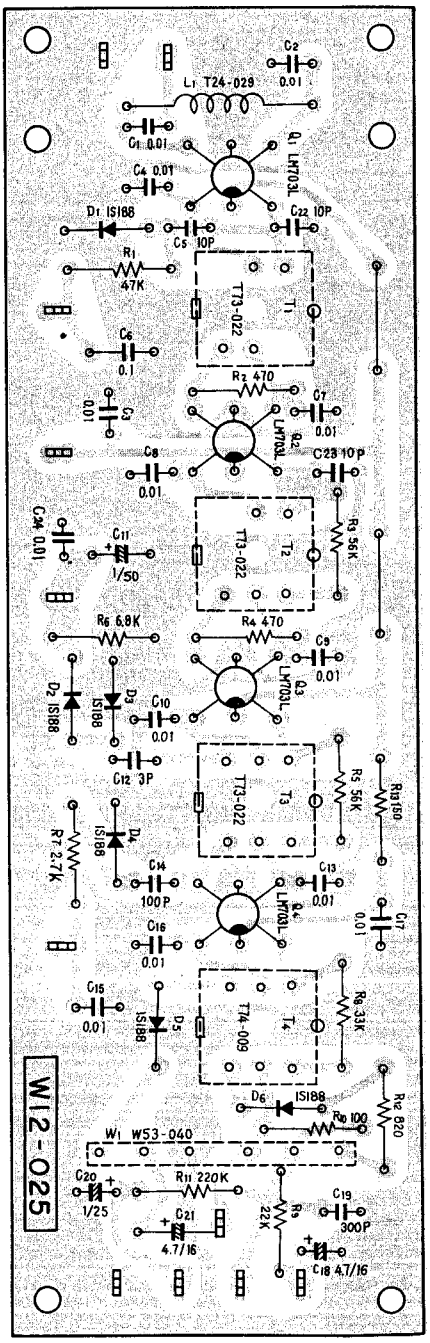
Symbol	Description	Part No.
D1	1S188 FM-1 Diode	
D2	1S188 FM-1 Diode	
D3	1S188 FM-1 Diode	
D4	1S188 FM-1 Diode	
D5	1S188 FM-1 Diode	
D6	1S188 FM-1 Diode	
Q1	LM703L-BL IC	
Q2	LM703L-BL IC	
Q3	LM703L-BL IC	
Q4	LM703L-BL IC	

COMPOUND PART

Symbol	Description	Part No.
W1	for Det. Circuit	W53-040-0

COIL AND TRANSFORMERS

Symbol	Description	Part No.
L1	RF Choke Coil	T24-029-A
T1	IF Transformer	T73-022-0
T2	IF Transformer	T73-022-0
T3	IF Transformer	T73-022-0
T4	IF Transformer	T74-009-0



MPX UNIT (W13-026)

CAPACITORS

Symbol	Description			Part No.
C 1	Electrolytic	2.2	50V	
C 2	Electrolytic	10	10V	
C 3	Styrol	3300p	±5%	C15-011-0
C 4	Electrolytic	3.3	25V	
C 5	Mylar	0.15	50V	
C 6	Mylar	2200p	50V	
C 7	Mylar	2200p	50V	
C 8	Electrolytic	0.47	50V	
C 9	Electrolytic	0.47	50V	
C 10	Mylar	1500p	50V	
C 11	Mylar	1500p	50V	

RESISTORS

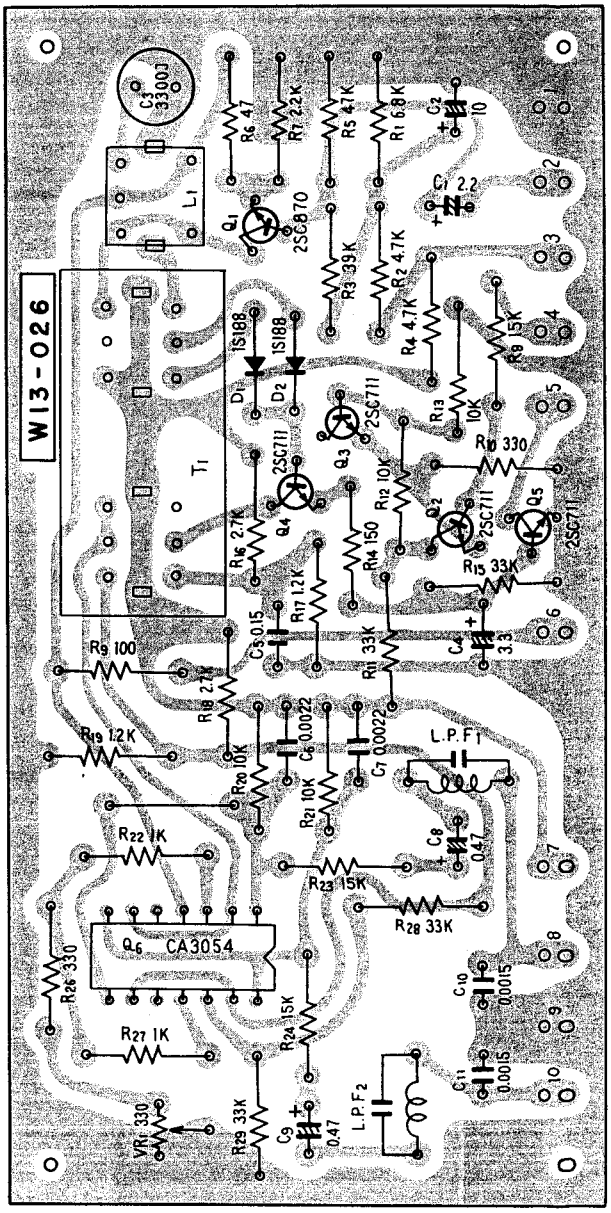
Symbol	Description		Part No.
R 1	Carbon film	6.8K	RF ¼ PS 6R8K-K
R 2	Carbon film	4.7K	RF ¼ PS 4R7K-K
R 3	Carbon film	39K	RF ¼ PS 39K-K
R 4	Carbon film	4.7K	RF ¼ PS 4R7K-K
R 5	Carbon film	47K	RF ¼ PS 47K-K
R 6	Carbon film	47	RF ¼ PS 47-K
R 7	Carbon film	2.2K	RF ¼ PS 2R2K-K
R 8	Carbon film	15K	RF ¼ PS 15K-K
R 9	Carbon film	100	RF ¼ PS 100-K
R 10	Carbon film	330	RF ¼ PS 330-K
R 11	Carbon film	33K	RF ¼ PS 33K-K
R 12	Carbon film	10K	RF ¼ PS 10K-K
R 13	Carbon film	10K	RF ¼ PS 10K-K
R 14	Carbon film	150	RF ¼ PS 150-K
R 15	Carbon film	33K	RF ¼ PS 33K-K
R 16	Carbon film	2.7K	RF ¼ PS 2R7K-K
R 17	Carbon film	1.2K	RF ¼ PS 1R2K-K
R 18	Carbon film	2.7K	RF ¼ PS 2R7K-K
R 19	Carbon film	1.2K	RF ¼ PS 1R2K-K
R 20	Carbon film	10K	RF ¼ PS 10K-K
R 21	Carbon film	10K	RF ¼ PS 10K-K
R 22	Carbon film	1K	RF ¼ PS 1K-K
R 23	Carbon film	15K	RF ¼ PS 15K-K
R 24	Carbon film	15K	RF ¼ PS 15K-K
R 25	Carbon film	330	RF ¼ PS 330-K
R 26	Carbon film	1K	RF ¼ PS 1K-K
R 27	Carbon film	33K	RF ¼ PS 33K-K
R 28	Carbon film	33K	RF ¼ PS 33K-K

DIODES AND TRANSISTORS

Symbol	Description	Part No.
D 1	1S188 FM-1 Diode	
D 2	1S188 FM-1 Diode	
Q 1	2SC870-F or E Transistor	
Q 2	2SC711-F or E Transistor	
Q 3	2SC711-F or E Transistor	
Q 4	2SC711-F or E Transistor	
Q 5	2SC711-F or E Transistor	
Q 6	CA3054 IC	

COILS AND TRANSFORMERS

Symbol	Description	Part No.
L 1	19kHz Coil	T75-023-0
T 1	MPX Transformer	T75-026-0
LPF 1	38kHz Filter	T75-015-A
LPF 2	38kHz Filter	T75-015-A



TUNER UNIT (W14-008)

CAPACITORS

Symbol	Description			Part No
C_1	Ceramic	0.04	25V	CKDYZ 403P 25
C_2	Ceramic	0.04	25V	CKDYZ 403P 25
C_3	Ceramic	0.04	25V	CKDYZ 403P 25
C_4	Ceramic	0.04	25V	CKDYZ 403P 25
C_5	Ceramic	0.04	25V	CKDYZ 403P 25
C_7	Mylar	0.01	50V	CQMA 103M 50
C_8	Styrol	410p	50V	CQSA 411K 50
C_9	Ceramic	0.04	25V	CKDYZ 403P 25
C_{10}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{11}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{12}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{13}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{14}	Electrolytic	10	10V	CEMX 10MF 10V
C_{15}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{16}	Electrolytic	10	16V	CEMX 10MF 16V
C_{17}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{18}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{19}	Ceramic	3p	50V	CCDSL 030K 50
C_{20}	Ceramic	47p	50V	CCDSL 470K 50
C_{21}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{22}	Electrolytic	220	16V	CEMX 220MF 16V
C_{23}	Ceramic	0.04	25V	CKDYZ 403P 25
C_{24}	Mylar	0.004	50V	CQMA 402M 50
C_{25}	Mylar	0.002	50V	CQMA 202M 50
C_{26}	Electrolytic	1	10V	CEMX 1MF 10V

RESISTORS

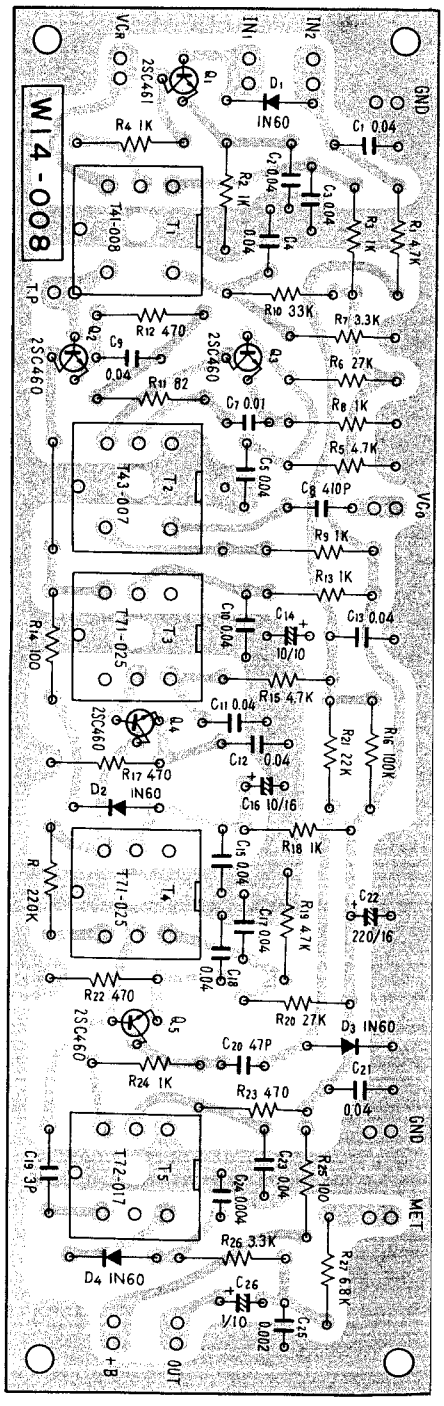
Symbol	Description		Part No.
R_1	Carbon film	4.7k	RF ¼PS 4R7K-K
R_2	Carbon film	1k	RF ¼PS 1K-K
R_3	Carbon film	1k	RF ¼PS 1K-K
R_4	Carbon film	1k	RF ¼PS 1K-K
R_5	Carbon film	4.7k	RF ¼PS 4R7K-K
R_6	Carbon film	27k	RF ¼PS 27K-K
R_7	Carbon film	3.3k	RF ¼PS 3R3K-K
R_8	Carbon film	1k	RF ¼PS 1K-K
R_9	Carbon film	1k	RF ¼PS 1K-K
R_{10}	Carbon film	33k	RF ¼PS 33K-K
R_{11}	Carbon film	82	RF ¼PS 82-K
R_{12}	Carbon film	470	RF ¼PS 470-K
R_{13}	Carbon film	1k	RF ¼PS 1K-K
R_{14}	Carbon film	100	RF ¼PS 100-K
R_{15}	Carbon film	4.7k	RF ¼PS 4R7K-K
R_{16}	Carbon film	100k	RF ¼PS 100K-K
R_{17}	Carbon film	470	RF ¼PS 470-K
R_{18}	Carbon film	1k	RF ¼PS 1K-K
R_{19}	Carbon film	4.7k	RF ¼PS 4R7K-K
R_{20}	Carbon film	27k	RF ¼PS 27K-K
R_{21}	Carbon film	22k	RF ¼PS 22K-K
R_{22}	Carbon film	470	RF ¼PS 470-K
R_{23}	Carbon film	470	RF ¼PS 470-K
R_{24}	Carbon film	1k	RF ¼PS 1K-K
R_{25}	Carbon film	100	RF ¼PS 100-K
R_{26}	Carbon film	3.3k	RF ¼PS 3R3K-K
R_{27}	Carbon film	6.8k	RF ¼PS 6R8K-K
R_{28}	Carbon film	220k	RF ¼PS 220K-K

TRANSFORMERS

Symbol	Description	Part No.
T_1	MW RF Coil	T41-008-0
T_2	MW OSC Coil	T43-007-0
T_3	IF Transformer	T71-025-0
T_4	IF Transformer	T71-025-0
T_5	IF Transformer	T72-017-0

DIODES AND TRANSISTORS

Symbol	Description	Part No.
D_1	1N60 Diode	
D_2	1N60 Diode	
D_3	1N60 Diode	
D_4	1N60 Diode	
Q_1	2SC461-A Transistor	
Q_2	2SC460-A Transistor	
Q_3	2SC460-A Transistor	
Q_4	2SC460-A Transistor	
Q_5	2SC460-A Transistor	



MUTING UNIT (W18-026)

CAPACITORS

Symbol	Description			Part No.
C_1	Electrolytic	4.7	16V	CEMX 4R7MF 16V
C_2	Electrolytic	2.2	35V	CEMX 2R2MF 35V
C_3	Mylar	0.0056	50V	CQMA 562M 50

RESISTORS

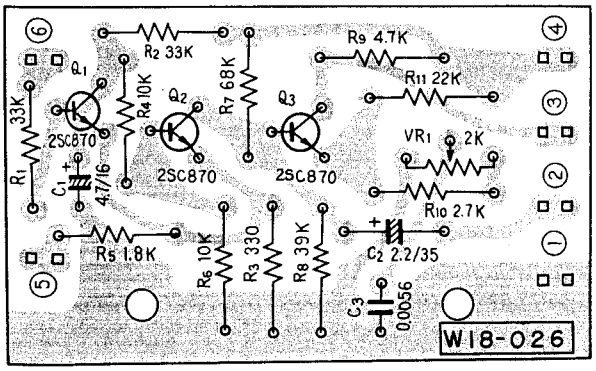
Symbol	Description		Part No.
R_1	Carbon film	33k	RF¼PS 33K-K
R_2	Carbon film	33k	RF¼PS 33K-K
R_3	Carbon film	330	RF¼PS 330-K
R_4	Carbon film	10k	RF¼PS 10K-K
R_5	Carbon film	1.8k	RF¼PS 1R8K-K
R_6	Carbon film	10k	RF¼PS 10K-K
R_7	Carbon film	68k	RF¼PS 68K-K
R_8	Carbon film	39k	RF¼PS 39K-K
R_9	Carbon film	4.7k	RF¼PS 4R7K-K
R_{10}	Carbon film	2.7k	RF¼PS 2R7K-K
R_{11}	Carbon film	22k	RF¼PS 22K-K

TRANSISTORS

Symbol	Description	Part No.
Q_1	2SC870	
Q_2	2SC870	
Q_3	2SC870	

POTENTIOMETER

Symbol	Description	Part No.
VR_1	2kΩ, Semi-fixed	C92-057-O



INDICATOR UNIT (W18-012)

CAPACITORS

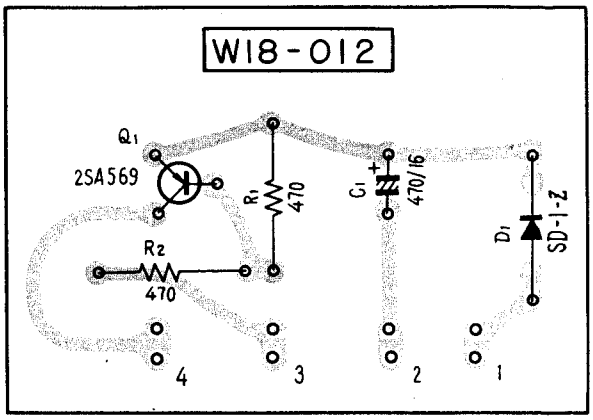
Symbol	Description			Part No.
C_1	Electrolytic	470	16V	CEMX 470MF 16V

RESISTORS

Symbol	Description		Part No.
R_1	Carbon film	470	RF¼PS 470-K
R_2	Carbon film	470	RF¼PS 470-K

DIODES AND TRANSISTOR

Symbol	Description	Part No.
D_1	SD-1Z Diode	
Q_1	2SA569-G or Y, O Transistor	



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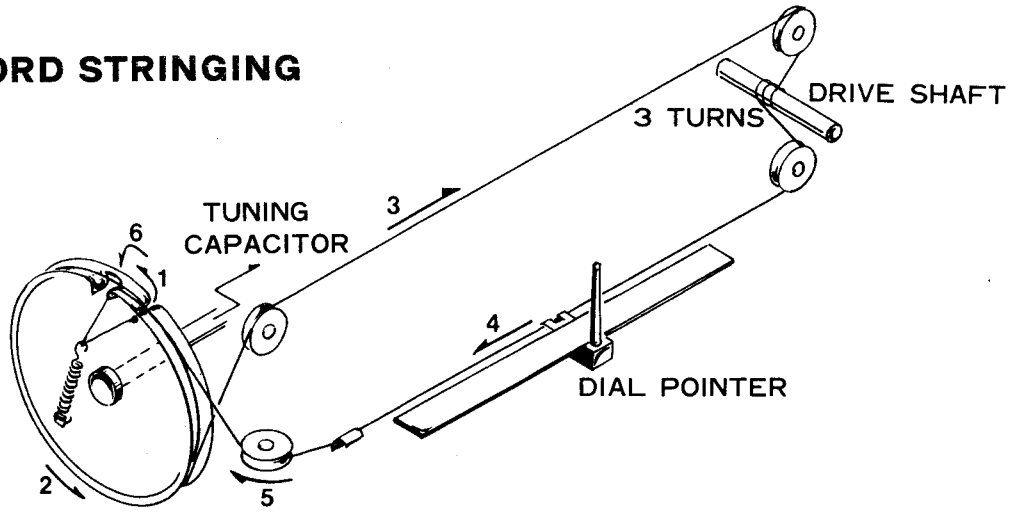


MIC AMP UNIT (W15-106)

CAPACITORS

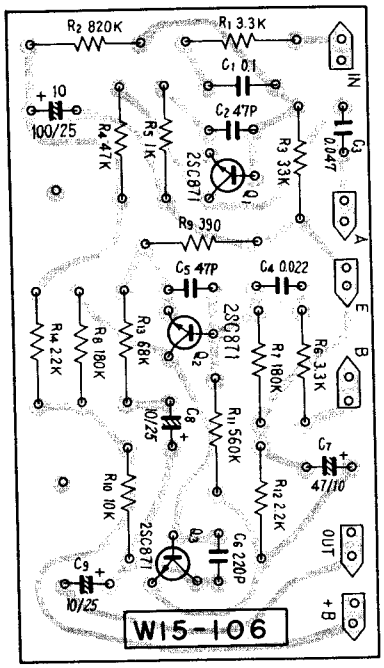
Symbol	Description			Part No.
C1	Mylar	0.1	50V	CQMA 104K 50
C2	Ceramic	47p	50V	CCDSL 470K 50
C3	Mylar	0.047	50V	CQMA 473K 50
C4	Mylar	0.022	50V	CQMA 223K 50
C5	Ceramic	47p	50V	CCDSL 470K 50
C6	Ceramic	220p	50V	CCDSL 221K 50
C7	Electrolytic	47	10V	CEMX 47MF 10V
C8	Electrolytic	10	25V	CEMX 10MF 25V
C9	Electrolytic	10	25V	CEMX 10MF 25V
C10	Electrolytic	100	25V	CEMX 100MF 25V

RESISTORS

Symbol	Description		Part No.
R1	Carbon film	3.3k	RF¼PS 3R3K-K
R2	Carbon film	820k	RF¼PS 820K-K
R3	Carbon film	33k	RF¼PS 33K-K
R4	Carbon film	47k	RF¼PS 47K-K
R5	Carbon film	1k	RF¼PS 1K-K
R6	Carbon film	3.3k	RF¼PS 3R3K-K
R7	Carbon film	180k	RF¼PS 180K-K, NL
R8	Carbon film	180k	RF¼PS 180K-K, NL
R9	Carbon film	390	RF¼PS 390-K
R10	Carbon film	10k	RF¼PS 10K-K
R11	Carbon film	560k	RF¼PS 560K-K, NL
R12	Carbon film	2.2k	RF¼PS 2R2K-K
R13	Carbon film	68k	RF¼PS 68K-K
R14	Carbon film	2.2k	RF¼PS 2R2K-K

TRANSISTOR

Symbol	Description	Part No.
Q1	2SC871-BL or GR	
Q2	2SC871-BL	
Q3	2SC871-BL or GR	



HEAD AMP UNIT (W21-001)

CAPACITORS

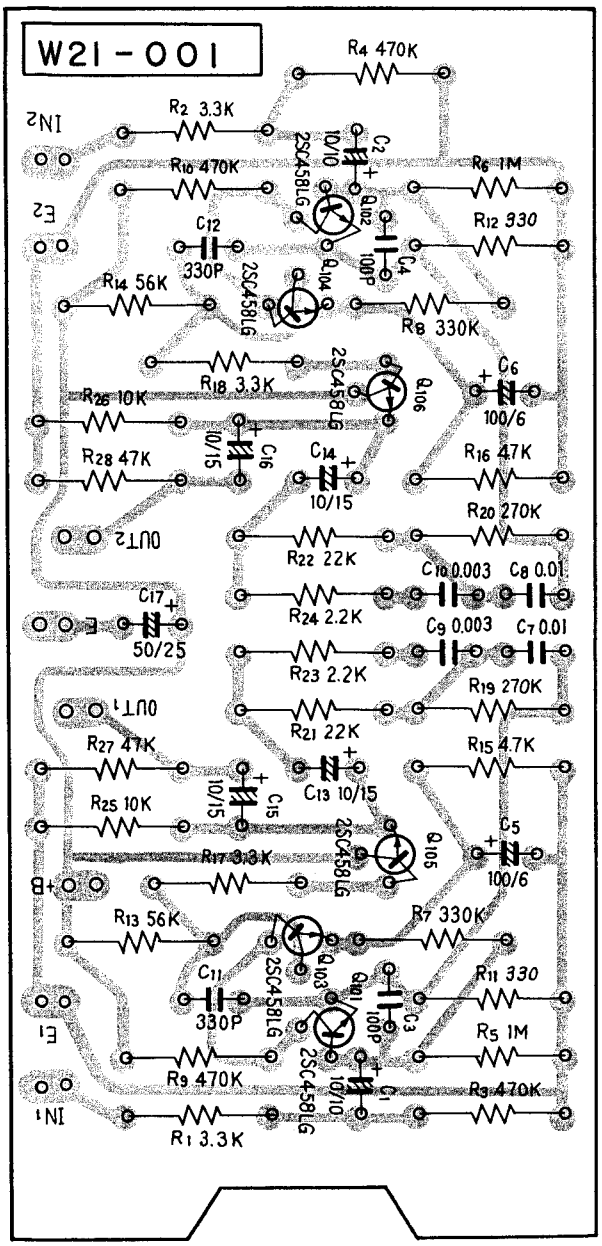
Symbol	Description			Part No.
C1	Electrolytic	10	10V	CEMX 10MF 10V
C2	Electrolytic	10	10V	CEMX 10MF 10V
C3	Ceramic	100p	50V	CCDSL 101K 50
C4	Ceramic	100p	50V	CCDSL 101K 50
C5	Electrolytic	100	6V	CEMX 100MF 6V
C6	Electrolytic	100	6V	CEMX 100MF 6V
C7	Mylar	0.01	50V	CQMA 103K 50
C8	Mylar	0.01	50V	CQMA 103K 50
C9	Mylar	3000p	50V	CQMA 302K 50
C10	Mylar	3000p	50V	CQMA 302K 50
C11	Ceramic	330p	50V	CCDSL 331K 50
C12	Ceramic	330p	50V	CCDSL 331K 50
C13	Electrolytic	10	15V	CEMX 10MF 15V
C14	Electrolytic	10	15V	CEMX 10MF 15V
C15	Electrolytic	10	15V	CEMX 10MF 15V
C16	Electrolytic	10	15V	CEMX 10MF 15V
C17	Electrolytic	50	25V	CEMX 50MF 25V

RESISTORS

Symbol	Description		Part No.
R1	Carbon film	3.3k	RF¼PS 3R3K-K
R2	Carbon film	3.3k	RF¼PS 3R3K-K
R3	Carbon film	470k	RF¼PS 470K-K
R4	Carbon film	470k	RF¼PS 470K-K
R5	Carbon film	1M	RF¼PS 1M-K
R6	Carbon film	1M	RF¼PS 1M-K
R7	Carbon film	330k	RF¼PS 330K-K
R8	Carbon film	330k	RF¼PS 330K-K
R9	Carbon film	470k	RF¼PS 470K-K
R10	Carbon film	470k	RF¼PS 470K-K
R11	Carbon film	330	RF¼PS 330-K
R12	Carbon film	330	RF¼PS 330-K
R13	Carbon film	56k	RF¼PS 56K-K
R14	Carbon film	56k	RF¼PS 56K-K
R15	Carbon film	4.7k	RF¼PS 4R7K-K
R16	Carbon film	4.7k	RF¼PS 4R7K-K
R17	Carbon film	3.3k	RF¼PS 3R3K-K
R18	Carbon film	3.3k	RF¼PS 3R3K-K
R19	Carbon film	270k	RF¼PS 270K-K
R20	Carbon film	270k	RF¼PS 270K-K
R21	Carbon film	22k	RF¼PS 22K-K
R22	Carbon film	22k	RF¼PS 22K-K
R23	Carbon film	2.2k	RF¼PS 2R2K-K
R24	Carbon film	2.2k	RF¼PS 2R2K-K
R25	Carbon film	10k	RF¼PS 10K-K
R26	Carbon film	10k	RF¼PS 10K-K
R27	Carbon film	47k	RF¼PS 47K-K
R28	Carbon film	47k	RF¼PS 47K-K

TRANSISTORS

Symbol	Description	Part No.
Q1	2SC458LG C or B	
Q2	2SC458LG C or B	
Q3	2SC458LG C or B	
Q4	2SC458LG C or B	
Q5	2SC458LG C or B	
Q6	2SC458LG C or B	



CONTROL AMP UNIT (W15-079)

CAPACITORS

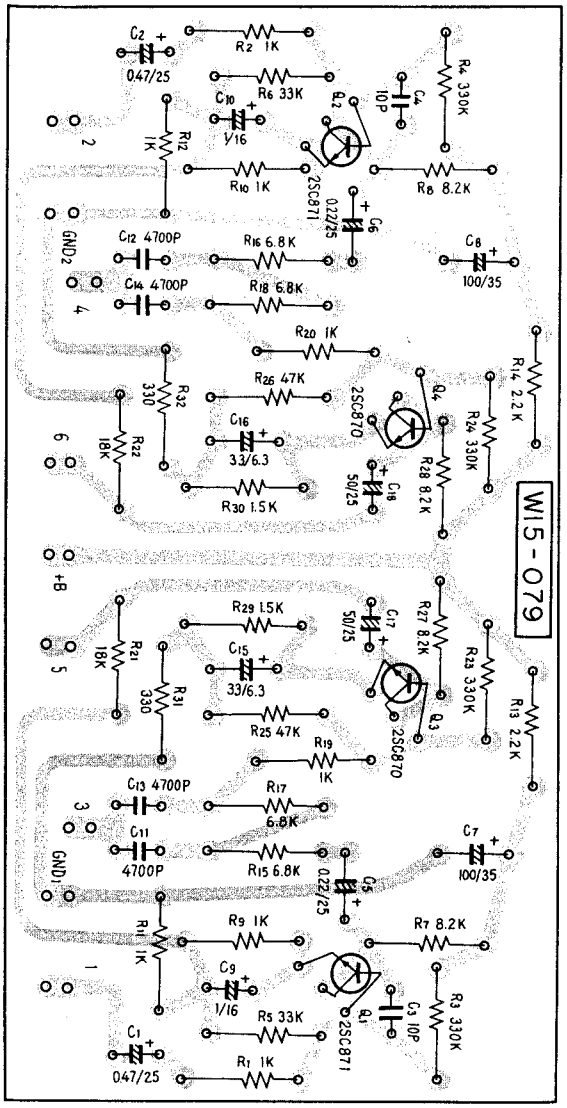
Symbol	Description			Part No.
C_1	Electrolytic	0.47	25V	CSYA R47M 25
C_2	Electrolytic	0.47	25V	CSYA R47M 25
C_3	Ceramic	10p	50V	CCDSL 100K 50
C_4	Ceramic	10p	50V	CCDSL 100K 50
C_5	Electrolytic	0.22	25V	CSYA R22M 25
C_6	Electrolytic	0.22	25V	CSYA R22M 25
C_7	Electrolytic	100	35V	CEMX 100MF 35V
C_8	Electrolytic	100	35V	CEMX 100MF 35V
C_9	Electrolytic	1	16V	CSYA 010M 16
C_{10}	Electrolytic	1	16V	CSYA 010M 16
C_{11}	Mylar	0.0047	50V	CQMA 472K 50
C_{12}	Mylar	0.0047	50V	CQMA 472K 50
C_{13}	Mylar	0.0047	50V	CQMA 472K 50
C_{14}	Mylar	0.0047	50V	CQMA 472K 50
C_{15}	Electrolytic	33	6.3V	CEMX 33MF 6R3V
C_{16}	Electrolytic	33	6.3V	CEMX 33MF 6R3V
C_{17}	Electrolytic	50	25V	CEMX 50MF 25V
C_{18}	Electrolytic	50	25V	CEMX 50MF 25V

RESISTORS

Symbol	Description		Part No.
R_1	Carbon film	1k	RF¼PS 1K-K, NL
R_2	Carbon film	1k	RF¼PS 1K-K, NL
R_3	Carbon film	330k	RF¼PS 330K-K, NL
R_4	Carbon film	330k	RF¼PS 330K-K, NL
R_5	Carbon film	33k	RF¼PS 33K-K, NL
R_6	Carbon film	33k	RF¼PS 33K-K, NL
R_7	Carbon film	8.2k	RF¼PS 8R2K-K, NL
R_8	Carbon film	8.2k	RF¼PS 8R2K-K, NL
R_9	Carbon film	1k	RF¼PS 1K-K, NL
R_{10}	Carbon film	1k	RF¼PS 1k-K, NL
R_{11}	Carbon film	1k	RF¼PS 1K-K, NL
R_{12}	Carbon film	1k	RF¼PS 1K-K, NL
R_{13}	Carbon film	2.2k	RF¼PS 2R2K-K
R_{14}	Carbon film	2.2k	RF¼PS 2R2K-K
R_{15}	Carbon film	6.8k	RF¼PS 6R8K-K
R_{16}	Carbon film	6.8k	RF¼PS 6R8K-K
R_{17}	Carbon film	6.8k	RF¼PS 6R8K-K
R_{18}	Carbon film	6.8k	RF¼PS 6R8K-K
R_{19}	Carbon film	1k	RF¼PS 1K-K, NL
R_{20}	Carbon film	1k	RF¼PS 1K-K, NL
R_{21}	Carbon film	18k	RF¼PS 18K-K
R_{22}	Carbon film	18k	RF¼PS 18K-K
R_{23}	Carbon film	330k	RF¼PS 330K-K, NL
R_{24}	Carbon film	330k	RF¼PS 330K-K, NL
R_{25}	Carbon film	47k	RF¼PS 47K-K
R_{26}	Carbon film	47k	RF¼PS 47K-K
R_{27}	Carbon film	8.2k	RF¼PS 8R2K-K, NL
R_{28}	Carbon film	8.2k	RF¼PS 8R2K-K, NL
R_{29}	Carbon film	1.5k	RF¼PS 1R5K-K
R_{30}	Carbon film	1.5k	RF¼PS 1R5K-K
R_{31}	Carbon film	330	RF¼PS 330-K
R_{32}	Carbon film	330	RF¼PS 330-K

TRANSISTORS

Symbol	Description	Part No.
Q_1	2SC871-BL	
Q_2	2SC871-BL	
Q_3	2SC870-GR or BL	
Q_4	2SC870-GR or BL	



CONTROL UNIT (W15-080)

CAPACITORS

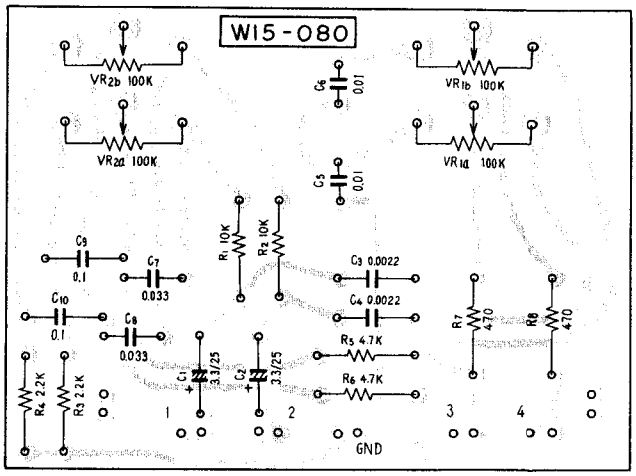
Symbol	Description			Part No.
C 1	Electrolytic	3.3	25V	CEMX 3R3MF 25V
C 2	Electrolytic	3.3	25V	CEMX 3R3MF 25V
C 3	Mylar	0.0022	50V	CQMA 222K 50
C 4	Mylar	0.0022	50V	CQMA 222K 50
C 5	Mylar	0.01	50V	CQMA 103K 50
C 6	Mylar	0.01	50V	CQMA 103K 50
C 7	Mylar	0.033	50V	CQMA 333K 50
C 8	Mylar	0.033	50V	CQMA 333K 50
C 9	Mylar	0.1	50V	CQMA 104K 50
C 10	Mylar	0.1	50V	CQMA 104K 50

RESISTORS

Symbol	Description		Part No.
R 1	Carbon film	10k	RF ¼ PS 10K-K
R 2	Carbon film	10k	RF ¼ PS 10K-K
R 3	Carbon film	2.2k	RF ¼ PS 2R2K-K
R 4	Carbon film	2.2k	RF ¼ PS 2R2K-K
R 5	Carbon film	4.7k	RF ¼ PS 4R7K-K
R 6	Carbon film	4.7k	RF ¼ PS 4R7K-K
R 7	Carbon film	470	RF ¼ PS 470-K
R 8	Carbon film	470	RF ¼ PS 470-K

POTENTIOMETERS

Symbol	Description	Part No.
VR 1	100k dual, TREBLE Control	C87-024-A
VR 2	100k dual, BASS Control	C87-024-A



PUSH SWITCH UNIT (W15-081)

CAPACITORS

Symbol	Description			Part No.
C 1	Ceramic	82p	50V	CCDIL 820K 50
C 2	Ceramic	82p	50V	CCDIL 820K 50
C 3	Mylar	0.01	50V	CQMA 103K 50
C 4	Mylar	0.01	50V	CQMA 103K 50

RESISTORS

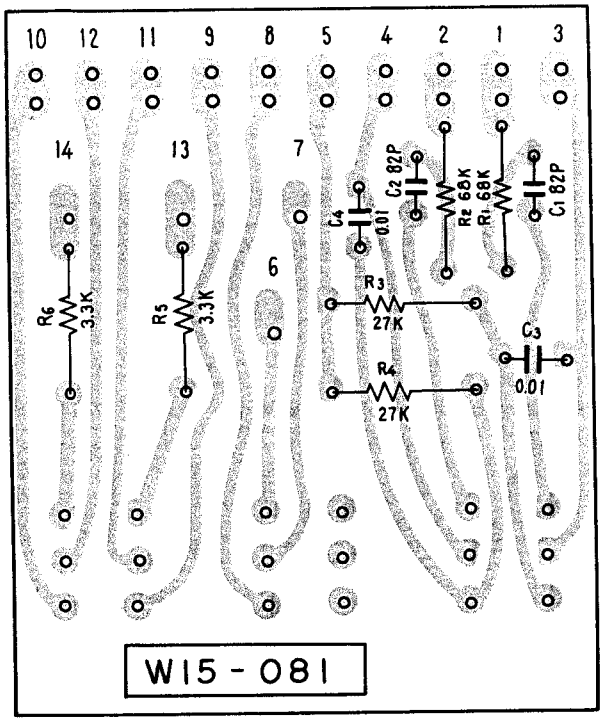
Symbol	Description		Part No.
R 1	Carbon film	68k	RF ¼ PS 68K-K
R 2	Carbon film	68k	RF ¼ PS 68K-K
R 3	Carbon film	27k	RF ¼ PS 27K-K
R 4	Carbon film	27k	RF ¼ PS 27K-K
R 5	Carbon film	3.3k	RF ¼ PS 3R3K-K
R 6	Carbon film	3.3k	RF ¼ PS 3R3K-K

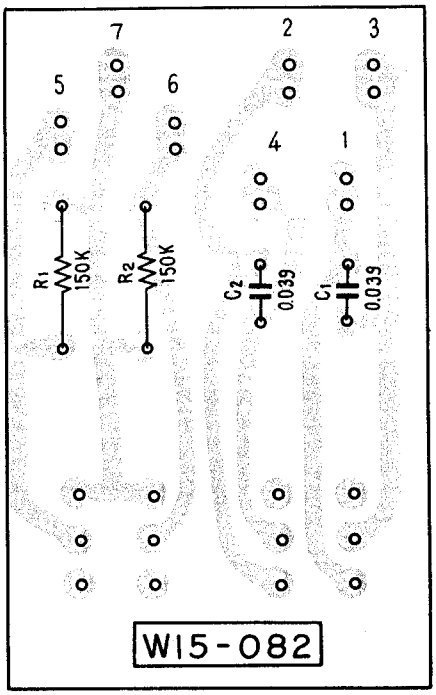
SWITCHES

Symbol	Description	Part No.
S 1	LOUDNESS Switch	S31-0230
S 2	FM MUTING Switch	S31-0220
S 3	TAPE MONITOR Switch	S31-0220

OTHERS

Symbol	Description	Part No.
	Knob for LODNESS, FM MUTING and TAPE MONITOR	A19-079-A





PUSH SWITCH UNIT (W15-082)

CAPACITORS

Symbol	Description			Part No.
C 1	Mylar	0.015	50V	CQMA 153K 50
C 2	Mylar	0.015	50V	CQMA 153K 50

RESISTORS

Symbol	Description		Part No.
R 1	Carbon film	150k	RF ¼PS 150K-K
R 2	Carbon film	150k	RF ¼PS 150K-K

SWITCHES

Symbol	Description	Part No.
S 1	LOW CUT FILTER Switch	S31-023-O
S 2	HIGH CUT FILTER Switch	S31-023-O

OTHER

Symbol	Description	Part No.
	Knob for Push Switch	A19-079-A

MAIN AMP UNIT (W23-002)

CAPACITORS

Symbol	Description			Part No.
C1	Electrolytic	10	6.3V	CEMX 10MF 6.3V
C2	Electrolytic	10	6.3V	CEMX 10MF 6.3V
C3	Electrolytic	100	50V	CEMX 100MF 50V
C4	Electrolytic	100	50V	CEMX 100MF 50V
C5	Electrolytic	3.3	25V	CEMX 3R3MF 25V
C6	Electrolytic	3.3	25V	CEMX 3R3MF 25V
C7	Electrolytic	100	50V	CEMX 100MF 25V
C8	Electrolytic	100	50V	CEMX 100MF 25V
C9	Ceramic	100p	50V	CCDSL 101K 50
C10	Ceramic	100p	50V	CCDSL 101K 50
C11	Electrolytic	100	3V	CEMX 100MF 3V
C12	Electrolytic	100	3V	CEMX 100MF 3V
C13	Electrolytic	1000	50V	C52-072-O
C14	Electrolytic	1000	50V	C52-072-O
C15	Ceramic	47p	50V	CCDSL 470K 50
C16	Ceramic	47p	50V	CCDSL 470K 50
C17	Mylar	0.022	50V	CQMA 223M 50
C18	Mylar	0.022	50V	CQMA 223M 50
C19	Ceramic	100p	50V	CCDSL 101K 50
C20	Ceramic	100p	50V	CCDSL 101K 50

RESISTORS

Symbol	Description			Part No.
R 1	Carbon film	2.2k		RF ¼PS 2R2K-K
R 2	Carbon film	2.2k		RF ¼PS 2R2K-K
R 3	Carbon film	680k		RF ¼PS 680K-K
R 4	Carbon film	680k		RF ¼PS 680K-K
R 5	Carbon film	120k		RF ¼PS 120K-K
R 6	Carbon film	120k		RF ¼PS 120K-K
R 7	Carbon film	33k		RF ¼PS 33K-K
R 8	Carbon film	33k		RF ¼PS 33K-K
R 9	Carbon film	3.3k		RF ¼PS 3R3K-K
R 10	Carbon film	3.3k		RF ¼PS 3R3K-K
R 11	Carbon film	150		RF ¼PS 150-K
R 12	Carbon film	150		RF ¼PS 150-K
R 13	Carbon film	2.7k	½W	RF ½PS 2R7K-K
R 14	Carbon film	2.7k	½W	RF ½PS 2R7K-K
R 15	Carbon film	82k		RF ¼PS 82K-K
R 16	Carbon film	82k		RF ¼PS 82K-K
R 17	Carbon film	3.3k		RF ¼PS 3R3K-K
R 18	Carbon film	3.3k		RF ¼PS 3R3K-K
R 19	Carbon film	8.2k		RF ¼PS 8R2K-K
R 20	Carbon film	8.2k		RF ¼PS 8R2K-K
R 21	Carbon film	68		RF ¼PS 68-K
R 22	Carbon film	68		RF ¼PS 68-K
R 23	Carbon film	10	½W	RF ½PS 10-K
R 24	Carbon film	10	½W	RF ½PS 10-K
R 25	Carbon film	150		RF ¼PS 150-K
R 26	Carbon film	150		RF ¼PS 150-K
R 27	Carbon film	10	½W	RF ½PS 10-K
R 28	Carbon film	10	½W	RF ½PS 10-K
R 29	Carbon film	150		RF ¼PS 150-K
R 30	Carbon film	150		RF ¼PS 150-K
R 31	Wire wound	0.5	5W	RS5B OR5-K
R 32	Wire wound	0.5	5W	RS5B OR5-K
R 33	Wire wound	0.5	5W	RS5B OR5-K
R 34	Wire wound	0.5	5W	RS5B OR5-K
R 35	Carbon film	15k		RF ¼PS 15K-K
R 36	Carbon film	15k		RF ¼PS 15K-K
R 37	Carbon film	10k		RF ¼PS 10K-K
R 38	Carbon film	10k		RF ¼PS 10K-K
R 39	Carbon film	22	½W	RF ½PS 22-K
R 40	Carbon film	22	½W	RF ½PS 22-K

DIODES AND TRANSISTORS

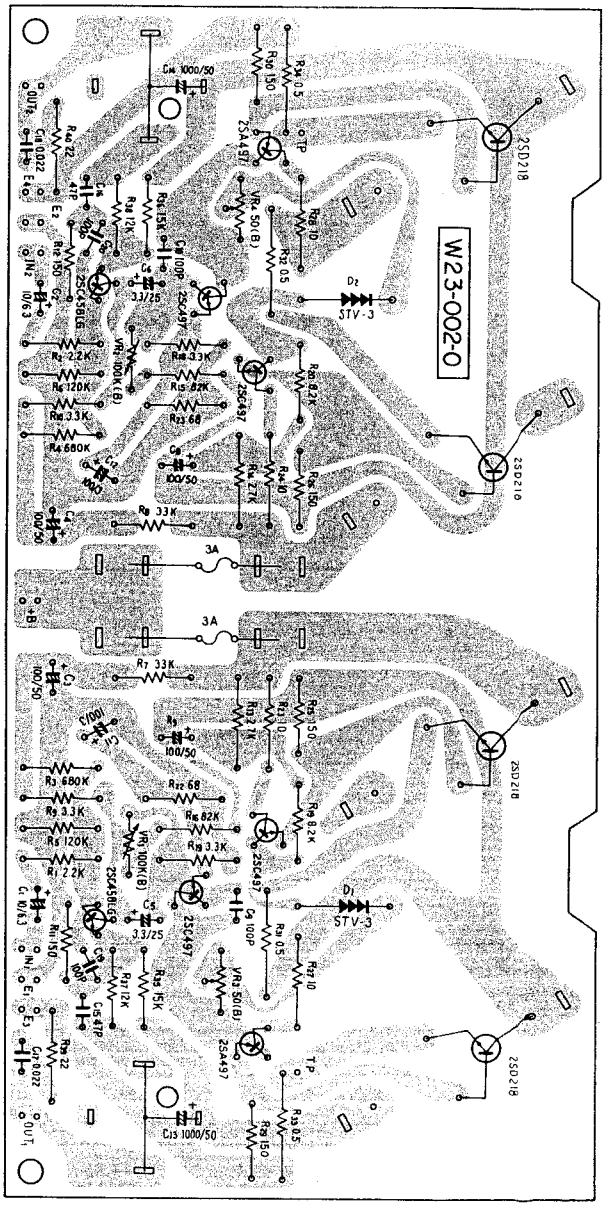
Symbol	Description	Part No.
D 1	STV-3 Varistor	
D 2	STV-3 Varistor	
Q 1	2SC458LG B or C Transistor	
Q 2	2SC458LG B or C Transistor	
Q 3	2SC497 O or Y Transistor	
Q 4	2SC497 O or Y Transistor	
Q 5	2SC497 O or Y Transistor	
Q 6	2SC497 O or Y Transistor	
Q 7	2SA497 O or Y Transistor	
Q 8	2SA497 O or Y Transistor	
Q 9	2SD218 Transistor	
Q 10	2SD218 Transistor	
Q 11	2SD218 Transistor	
Q 12	2SD218 Transistor	

POTENTIOMETERS

Symbol	Description	Part No.
VR 1	100kΩ, Semi-fixed	C92-042-0
VR 2	100kΩ, Semi-fixed	C92-042-0
VR 3	50Ω, Semi-fixed	C92-043-A
VR 4	50Ω, Semi-fixed	C92-043-A

MISCELLANEOUS

Symbol	Description	Part No.
	Fuse 3A	E21-006-0
	Insulating Bushing	E32-039-0
	Mylar Insulator	E32-040-0
	Fuse Holder	K91-006-0



POWER SUPPLY UNIT (W16-026)

CAPACITORS

Symbol	Description			Part No.
C 1	Electrolytic	100	50V	CEMX 100MF 50V
C 2	Electrolytic	100	50V	CEMX 100MF 50V
C 3	Electrolytic	220	25V	CEMX 220MF 25V
C 4	Electrolytic	220	25V	CEMX 220MF 25V
C 5	Electrolytic	220	15V	CEMX 220MF 15V
C 6	Electrolytic	220	25V	CEMX 220MF 25V
C 7	Mylar	1000p	50V	CQMA 102K 50
C 8	Ceramic	0.01	500V	CKDYZ 103P 500
C 9	Ceramic	0.01	500V	CKDYZ 103P 500
C 10	Ceramic	0.01	500V	CKDYZ 103P 500
C 11	Ceramic	0.01	500V	CKDYZ 103P 500
C 12	Ceramic	0.01	500V	CKDYZ 103P 500
C 13	Ceramic	0.01	500V	CKDYZ 103P 500

RESISTORS

Symbol	Description			Part No.
R 1	Carbon film	680	2W	RO2 680-K
R 2	Carbon film	22k		RF ¼PS 22K-K
R 3	Carbon film	2.2k		RF ¼PS 2R2K-K
R 4	Carbon film	33k		RF ¼PS 33K-K
R 5	Carbon film	18k		RF ¼PS 18K-K
R 6	Carbon film	3.3k		RF ¼PS 3R3K-K
R 7	Carbon film	39		RF ¼PS 39-K
R 8	Carbon film	5.6		RF ¼PS 5R6-K
R 9	Carbon film	1k		RF ¼PS 1K-K
R 10	Carbon film	33		RF ¼PS 33-K

DIODES AND TRANSISTOR

Symbol	Description	Part No.
D 1	SIB02-03C Diode	
D 2	SR1DM-8 Diode	
D 3	SR1DM-8 Diode	
D 4	SR1DM-8 Diode	
D 5	SR1DM-8 Diode	
D 6	1S338Q Zener Diode	
Q 1	2SC485-BL or Y Transistor	
Q 2	2SC905 or 2SC904 Transistor	
Q 3	2SC485-BL or Y Transistor